

SEQUENCE LISTING

<110> Sun, Yongming
Recipon, Herve
Ghosh, Malavika
Liu, Chenghua

<120> Compositions and Methods Relating to Colon Specific Genes and Proteins

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<150> 60/244,717

<151> 2000-10-31

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<170> PatentIn Ver. 2.1

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736

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<220>
<221> unsure
<222> (692)..(693)
<223> a, c, g or t

<220>
<221> unsure
<222> (701)..(703)
<223> a, c, g or t

<220>
<221> unsure
<222> (776)
<223> a, c, g or t

<220>
<221> unsure
<222> (785)
<223> a, c, g or t

<400> 15

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tgtttaaaca tatataaaag gctagacgtt tattcgccaa tagtaccaa aggtcataga 240
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aagaactcat tatataccaa agtaggagct tgctgacact gataatgctt tatttagttt 420
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tntgttgtaa tattgtttat gctaacataa annatgtaaa nnntttatata ttgtttatac 720
tgacttataa tttattacta tacatagtgtt aaattatgat acattggctt tggtagcag 780
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ctga 904

<210> 16
<211> 984
<212> DNA
<213> Homo sapiens

<400> 16

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gtattcaggg tgattctaca cgtaggagtg agcatttgac agcttccatg tcttctagtg 240
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tttcaggaga gcaaaggaaa atacaagata gttgtatgaa aagggggcac cggtgtgct 420

agagtggctc accaccgccc tacacagtgg gctaattggc tggagagtag agctgactct 480
gcacagttgc atgctgaccc tctgaagaat tttttacaa aagcgtgacg tcgcgtgaag 540
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<210> 17
<211> 429
<212> DNA
<213> Homo sapiens

<400> 17
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gcctcctgca tcaacttcct gatggagagt gtatgaatgc aaaagctcct cccttagcac 180
ttaccttagt cttcaacttc tgggctcctg ccactgggtc ccagctaaga gagtttgatt 240
ttaaaatcca gagtttatgg cttttaaaa ataacctctc acctatttat caaaagctcc 300
ttctaaataa tatttacaac aacaacaatg ataatggcta ctatctagta ttcccattt 360
tccagacact gtgctggct cttccaaac actgtttaa tcttaccaa caccagtc 420
gccgctcta 429

<210> 18
<211> 734
<212> DNA
<213> Homo sapiens

<400> 18
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agaaaataat tttctagaat ttgaagaaaa atcttaaaac atttgaattt ctttggat 180
atgactaata taacgaatag cactcagggt tatcaaataat taacattttt ccataattgt 240
tatagaattt tttccatat ttgctacaga aataattctt ttatataat aatacatattt 300
tgaacactga ttttacttga tacattaata taatgctgat gtgctgagat gaataaatca 360
aagaacctct tggagctctt ggtgtgcaat aagcatagtt aacgaatata aaataagtga 420
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FOUR SEVEN EIGHT ONE ZERO

<210> 19
<211> 1184
<212> DNA
<213> Homo sapiens

<400> 19
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tgtacattt agtttattt aaattttat caaggattt tattttatac attacatact 300
gatcaactgtt ttatgttaac tctggcccta ataaaacagaa aataacaatt tgaatatct 360
acaacaatga gagctcgagg taaaatatac cataaataag acatataatgt gtatgaactg 420
agatataatag aaataattaa atgtaacaat cttttggacc ataaggctca ggaagctata 480
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atcttttcta tttttgaaat aggttaagaaa agaaaataat tttctagaat ttgaagaaaa 600
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tatcaaataat taacattttt ccatatttt tatagaattt tttccatata ttgctacaga 720
aataatttct ttatatatat aatacatatt tgaacactga ttttacttga tacattaata 780
taatgctgat gtgctgagat gaataaaatca aagaacctct tggagctctt ggtgtgcaat 840
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ataaaattac ggtaatctca tttggccaca aaacctgttc agaattgatg tgaggctatt 1020
aagatattta tttctttat ttatttagtga atattcatct ttcactacag aaataactaac 1080
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<210> 20
<211> 550
<212> DNA
<213> Homo sapiens

<400> 20
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cttaaggagc ctgcagcttt gctccaaagc acacactggc agaccttggc cagatgcctg 120
gcacaggggc tggggaggg aaggctccc aaccccccgtt ttccctttgc agatgagcat 180
tctccaaatc catgtttacc cagtcctcct taatgctgcc ttcccaaactg tcagcgggtg 240
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catctccccc caggcatgga cctcccaat ttaccctgtg aaggctgcat ggagaagatg 420
caggtcttag gaacagccag catcaccaga ggtgccactt agtgagtacc cagtgggctc 480
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ttccagcattc 550

<210> 21

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<211> 599
<212> DNA
<213> Homo sapiens      .

<400> 21
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tgcagcttg ctccaaagca cacactggca gaccttggcc agatgcctgg cacaggggct 180
ggggagggaa aggctgccc acccccggtt tcccttgcataatgagcatt ctccaaatcc 240
atgtttaccc agtcctcattt aatgctgcct tccaaactgt cagcgggtgc taaaaagcac 300
acattaggat gaattagaac atgccaggct gcaagggcgg gtgtcatcccc agaactcaca 360
gagcacgttg agggctcagc cgctcagcca catctttagg tcccaccagc atctcccccc 420
aggcatggac ctccccaaattt taccctgtga aggtgcattt gagaagatgc aggtctttagg 480
aacagccagc atcaccagag gtgccactta gtgagtaccc agtgggctcc caacaccgtg 540
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<210> 22
<211> 618
<212> DNA
<213> Homo sapiens

<400> 22
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attatcaatt tgtaagtata aaaactgcaa gtatagttgg tagttgataa gaaaggtaga 120
taataaaaact taaaaggat ggacacagat tgaaaaaggc cttgagtgcc aagacaagag 180
ctctgaacct taacaggcac tggaaaccgt cataggtctt aggttaggaat atgctgtgct 240
cccaccatct taatttaggtc ttatggaggt ttgatagcaa gagggtagga atatcattt 300
gcaggctact gcaagtatcc aggtgaaatg tacagaggtt ttgaactagg ctgctgggga 360
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agaggaatag aactgacacc aggcttcaag cctgatgcct gagaataaag gtgttaattat 480
gaagggaaatc caggaagaca tggaaagagt ggttggagta aggttaaagt gatagtttta 540
gattgggtta ttttgacgtt gaagtgttga ccaacttctt aagtgaaaat gtgcaacagt 600
cattqaaaat atqagttt 618
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<210> 23
<211> 711
<212> DNA
<213> Homo sapiens

<400> 23
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atctcttatt atatatattc tacctttta tggaaaaac tactctttt ggtgtaaaga 120
tatTTTTat attttcttgc cttgtaaaga gttattatca atttgtaagt ataaaaactg 180
caagtatagt tggtagttga taagaaaagg agataataaa actttaaaagg gatggacaca 240
gattaaaaaa ggccttgagt gccaaagacaa gagctctgaa cttaaacagg cactggaaac 300
cgtcataaggc ctttaggttagg aatatgctgt gctcccacca tcttaattaaq gtcttatqqa 360
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ggttttagatg caagagggtta ggaatatcat ttagcaggct actgcaagta tccaggtgaa 420
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taaaatggac agaaagtgtta taaatggata aagagaggaa tagaactgac accaggcttc 540
aaggcctgatg cctgagaata aaggtgtaat tatgaaggaa atccaggaag acatggaaag 600
agtggttgga gtaaggtaa agttagatgtt ttagattggg ttatggac gttgaagtgt 660
tgaccaactt cttaaatgtgaa aatgtgcaac agtcatgtt aatatgtt t 711

<210> 24
<211> 547
<212> DNA
<213> Homo sapiens

<400> 24
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tttggattt tccccatcct gtgtgctgaa tactggatgt gactcttagt cagctctgtg 240
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tctgcctact tcaaagagaa gttgaaggaa taaaacgaga taacctacaa agagcaccca 360
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aataataatt ttatagaatt tttcattttt tggcaggcac agggctcatg cctgtaatcc 540
cagcact 547

<210> 25
<211> 549
<212> DNA
<213> Homo sapiens

<400> 25
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aaacagttag gctgagttatg tggccttattt agtttcacac ccagcaggc tgggctcaca 480
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gagatgggg 549

<210> 26
<211> 350
<212> DNA
<213> Homo sapiens

卷之三

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<400> 26
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gatggcttac gtgcagggtta atgtatgaac cttcccaagc tctgtacaaa tataacttgt 180
cattcgtaga gacgtatgtt ttttatgtt tgcatgcagt cttatttgta gattttcttc 240
ccatttgctt aatactgaac gctatggctt agatgtaaaa tttaccaggt actactcata 300
gcaggcagtg aaaccgtgga ctcaatgtctt ctttccttctt ttccccc 350
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<210> 27
<211> 627
<212> DNA
<213> *Homo sapiens*

<400> 27
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aaaaggataa gaaagaggat acagagtttta atcagagttg gcatcagata gagtaaccat 120
ggacatttgg aagctgtAAC ctctctcata ttgcgcAAg gataactgct tcctgtatta 180
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agctgctctt tccttcttccca tccttccca 627

<210> 28
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (132)..(348)
<223> a, c, g or t

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aaaggggag t gggcaaataa taaaatgcaa gaaatgaaag cattgaaaa ttttagaggac 480
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agaaaatgact tttaagtaag tgattttagg tgtactggaa tgagtaatct agaatatgg 540
atatgaga 548

<210> 29
<211> 988
<212> DNA
<213> Homo sapiens

<400> 29
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ttcaaggaaaa accaagcagc tcttgactca acaaataaaaa atgtaagtct gtctgaagaa 180
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atggatgagg tcagattct aaaaaatcag tatacacaca gtgtttaag aataaaaaac 300
agattgatta aagggaaaaa taatttgtaa ataacagaag ccataactta gagataaaaa 360
taactgtcct ctgattaaca gaacttttag aatgatgaga aaaattaata acacagttaa 420
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aatcaaaata gccgagaaaat taataaaaata ttcaaaaatg ggaaaataca ttttagaata 780
aagcataatg aggaataaaaa tcactatgac tttttgaaag tataaaaatt gttatttttt 840
tctatgaata cttgctcaaa tttaaagttag tggatttaat gttgttagcgc taagtattca 900
gccaaagaggt agaactaata aataaaaaatg atagttctt taaaaaaaaaca taaaaataat 960
tatctcatga gtagcctaag aaaaaagc 988

<210> 30
<211> 651
<212> DNA
<213> Homo sapiens

<400> 30
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aaaaagtcca acacattgg ggctggacac accagtcaaa tggttgaaat tagaagatgg 180
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ctgtttaata taggaagcac aaacgtgact gaagttacaa gagactgaga caactttcaa 600
aactcatggg gggagaattt tatacattca acagaaaactt aacaatttaa c 651

TACGTCTAAG ACC

<210> 31
<211> 553
<212> DNA
<213> Homo sapiens

<400> 31
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aaaaaaaggcc ttgttaggtct taactcttac ttgcctcac atttatttga tagtttgagt 240
gagtatctta aaaatgaag atgattataa aaattttaat gtagacatta tttttctca 300
gaattttgaa ggcactgctc tgtctttgc agttggagag tctgatgccaa ttctgattct 360
taaatctttt atacaaaaca tgttttgtt tttggcagga agctttacct tttctttctt 420
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cctggacact tgcttaggcct tttcagtctc gaagctcatg actttcaggt aagagaaaatt 540
tacgtctaa acc 553

<210> 32
<211> 2159
<212> DNA
<213> Homo sapiens

<400> 32
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tttggagggtt acagataatg ctactataaa catccatgtt caggtttttgc tgtaatgtt 180
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caattcccta atgacatatg atgttgaaca tcttctcata tgcttattttgc ccatctgtat 480
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cccaccacca cgccccaggta atttttat ttttcataga gatggggttt cgccatatttgc 720
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gttttgtttt taaaacgtct ttggatcaa tcatgagatg tagaatctaa taaaaccttt 2040
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<210> 33
<211> 450
<212> DNA
<213> Homo sapiens

<400> 33
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taaatctgac aaaaatgtg agctacctgt acactggacc actaaacact agtggaaacaa 180
aattgaagag ctacttaattt gaaaatcagt ttccccccag atttatctat agagtcagt 240
aaatcccaat caaaatctca gcaaggctt taagaaattt acaatcttat ttAAAATT 300
aagtggagat gcgaaataac taaagcaattt ctctgacaaa aacaagaaaa aagctagaag 360
gctaacaacc acactgattt caagattttt cagaacaggt ataataatca ggccagtgtc 420
atatcgccat acacgataga ccaggagatc 450

<210> 34
<211> 584
<212> DNA
<213> Homo sapiens

<400> 34
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aaggcatgtg ttatttagact ggacacacaa aagcccttga ttatcttaga agcaatcctc 180
tagggtccag atgttagtttgaatgtgggt gtttagtac actgtacttc attactgatt 240
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<210> 35
<211> 642
<212> DNA
<213> Homo sapiens

<400> 35
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gagccctgat ctactccctg ctgccactgt ctgttctat gatgcgtgtc accatgat 480
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<210> 36
<211> 669
<212> DNA
<213> Homo sapiens

<400> 36
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cccatgtaca attacatgct ctagatctc tcctcaaaga tgaacataag tctgaaatat 180
caacaccttgcagccctat tatcaattgc tgatctgttag tccccatgtt agtacgcctt 240
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tctacccgga caatttagggg cataatcatg ctctaaatag aagtgttcaa acaagtcaac 480
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acatattcct tctttcttaag aatctggaca aggaggtata ctttctaaa ttttaatcct 660
attaatgcc 669

<210> 37
<211> 1006
<212> DNA
<213> Homo sapiens

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tgagcctcag ttccaagcac agaactttc agaaacagaa tgggttgcataatgtccc 180

ctttaaaag acacttgca gacctggatg cctgtgtgtt ggcattggagc atagagggtt 240
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<210> 38
<211> 589
<212> DNA
<213> Homo sapiens

<400> 38
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taactatgtgc taggttagag atcataaact ggtgatatgt aagtggata taaccctcag 180
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<210> 39
<211> 528
<212> DNA
<213> Homo sapiens

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528

<210> 40

<211> 673

<212> DNA

<213> Homo sapiens

<400> 40

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caactgcagcc tgggtgacag aacaagaccc tgtcttaaa aacaagaagt aagaataaaa 180
gagattgtgg tggagtgatca caggcagcgt gggagcactg agggagcccc tgaccaccc 240
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tatgatggat ttctcagaaa tatgtttgtg taatgaagac aaggacagtg gtttagagttt 660
acattctact ggg 673

<210> 41

<211> 447

<212> DNA

<213> Homo sapiens

<400> 41

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atttccagg agaataaaaa atgaaattgt cattggagga cttcctcagt taaaatcatt 240
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agctacccag gtatacaa atgcttcttg cagttctgat catctttagg ggccgcattg 360
ggcataattg gaataataat actagcta ac ctgcttgcag ggcttgcct gtgctgtgca 420
cttggcactc actttaataa taggagc 447

<210> 42

<211> 562

<212> DNA

<213> Homo sapiens

<400> 42

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gtgataatat agtgattaac acaatgctgt agtgtttcc tggtaaacag ggaatggttg 180

atttccagg agaatagaaa atgaaattgt cattggagga cctcctcagt taaaatcatt 240
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ctttgtgagc actttaata taggagccaa acctctctt caaaagcct gaagggcagg 480
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gtaacttgcc atctagactt tt 562

<210> 43
<211> 848
<212> DNA
<213> Homo sapiens

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<210> 44
<211> 1111
<212> DNA
<213> Homo sapiens

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ggtcattttt tacaagatga tgtactaccc tgatgattt tggaaatctt ttaggaaccg 240
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<210> 45
<211> 626
<212> DNA
<213> Homo sapiens

<400> 45
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ggaaatagtg acactgacaa agatagcatt acctaagaat ataaaagcaa agatagcg 240
gccacagact gcttaatgtg tgcatttatca caaagggtt tatgtatgtga gaagaaaaac 300
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ctacatcaga gaacttcctt aaacctgtcg gtaatacataa atcagtgagt catggcaaag 480
gggagacatt atctatctgt tcttgactat ggaaaataat gttgcagaat ctttgcctg 540
tgtgtgaaga agcgatgagt acaggaccag aactgtccgg aagacgtatt tcaggagacg 600
cacatggcag tcggcgccg ctctag 626

<210> 46
<211> 185
<212> DNA
<213> Homo sapiens

<400> 46
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ccaaatccaa cccaaacaaac agggttcatc tctgatttt ccccccataat ttatgattct 180
cagac 185

<210> 47
<211> 268
<212> DNA
<213> Homo sapiens

<400> 47

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gacttcttgc cagttgcact gtaggtacga tgtactgtt gtttgattt gacttcctc 120
caccacccccc ctgccccagg aagatgtat cttgtgcata ttgtgttac gcagagtagg 180
gtagttggat ctttgtcaag tctcagtat ccacatgcgt gcatctatgg tgcagtctg 240
cttgtctttg tatccatgtc atactgtc 268

<210> 48
<211> 108
<212> DNA
<213> Homo sapiens

<400> 48
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<210> 49
<211> 83
<212> DNA
<213> Homo sapiens

<400> 49
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gccgctcgac gagcgcgagg tgc 83

<210> 50
<211> 475
<212> DNA
<213> Homo sapiens

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<210> 51
<211> 607
<212> DNA
<213> Homo sapiens

0016452 - 100404

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gttcacaagt agctatatga aataaacaga atttaaacga tcttaataat tttttcttt 540
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agatgga 607

<210> 52
<211> 590
<212> DNA
<213> Homo sapiens

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gaatattaaat ctcgtatctt cacagaatga cttaatataa ttgatcaagc agaacatcga 540
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<210> 53
<211> 217
<212> DNA
<213> Homo sapiens

<400> 53
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gcaagaagtg agaaagacaa gaggttatct agtccagcct tgctatttttta tagtttaaat 120
ccctcaacca catccctgat gaaaccttgc cagtgccggt aattaacaat atcacaaggc 180
tgttctgatt gtctgttattt ctcagtgttt gtttagag 217

<210> 54
<211> 430
<212> DNA
<213> Homo sapiens

FOTWOTVSTPDT

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aacatcatca ggcagaagga aaaaaatagt atcagattga agtctgttct acacaaagta 180
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<210> 55
<211> 2956
<212> DNA
<213> Homo sapiens

<400> 55
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<213> Homo sapiens
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<223> a, c, g or t

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<223> a, c, g or t

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<222> (336)
<223> a, c, g or t

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<212> DNA
<213> Homo sapiens

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<221> unsure
<222> (161)..(180)
<223> a, c, g or t

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<222> (411)
<223> a, c, g or t

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<212> DNA
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<212> DNA
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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<222> (309)..(482)
<223> a, c, g or t

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<212> DNA
<213> Homo sapiens

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<222> (7153)
<223> a, c, g or t

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cttcgtggat gttggatgtg gaagcccagg agccccccaa ggggaaatgg tcgacgcccgc 240
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ctctggccac caccgtttct tcctgtgcct tgagctaccc tggtaactc atgaccccg 720
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ggtgtctccc ctcccccatac aaccgg 986

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<210> 82
<211> 369
<212> DNA
<213> Homo sapiens

<400> 82
aacccaagat gactcgctt ttgggtggag aattcactct gttcatgttt catttaacaa 60
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tttcttcct ctgatctggt tatcgatttc cttttcttc ccctgttgca ctttccattt 180
cattattggc agctgtccct tctctgggt tcctaatacaa acacatattc ttttagcacat 240
gcctcgatgg ggattctttt cgacacccc tcacatggag ctcacagaac ctgtcactct 300
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tagtttggtt 369

<210> 83
<211> 923
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (354)..(565)
<223> a, c, g or t

<400> 83
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tttcttcct ctgatctggt tatcgatttc cttttcttc ccctgttgca ctttccattt 180
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gtagggtctg gtctttttc agcttaggaa catctatttgc ttgcttgatt tgannnnnnn 360
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agtgcaccc atgccttcc ctgggttacc attgtccctt tcctcaccca gttggtagag 780
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ggaggatggt gaaccatgtt tttcagtgttataat tatttaata tcaataaaat 900
caaactctttt gtaaaaaaaag ccg 923

<210> 84
<211> 338
<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (12)

<223> a, c, g or t

<400> 84

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gctccatgct gtcttggga caagggcctg tactgccttc aaatctggc tcaccccaca 180
tttttgttag gggaaatag ggtgggggaa taaggaggag aaaagactct agctttttt 240
ttctatgcat gatatactgt gtgggttat caagagtta gacacagttg ctgttctcaa 300
ataataggcc aaataaaatg cgattcttt tttcttg 338

#0016452 = 1C93404

<210> 85

<211> 436

<212> DNA

<213> Homo sapiens

<400> 85

ataatttttt tcttttaaa ggaaatgaac gtggaggact ggggtgaagg gccagcctgg 60
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gctccatgct gtcttggga caagggcctg tactgccttc aaatctggc tcaccccaca 180
tttttgttag gggaaatag ggtgggggaa taaggaggag aaaagactct agctttttt 240
ttctatgcat gatatactgt gtgggttat caagagtta gacacagttg ctgttctcaa 300
ataataggcc aaataaaatg cgattcttt tttcttgaa acacacagaa cagcccagct 360
ataaaaacagg caactgagga agaaccaaac cgcataccgg caagactcta gcatgtcaag 420
gtcaaagact ctccag 436

<210> 86

<211> 462

<212> DNA

<213> Homo sapiens

<400> 86

aggAACGTT ggatgttagtc acactgctgt tggtttaact tagaccttca ttttccacc 60
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accatctcca aattataaaa cataagactt ttttttagta aaaatatatt tttttacaag 180
cacagtggct tgcaccatgg aggggagagg aggtgttttgc ttcttgagc tgctggcctg 240
agagaacctt gtcatcgtgg gagctgggcc attctacac agtggctcgaa caatgaccgg 300
gtgggtgggg aggccctgtga gtgggcactg gtaatggaa cagctgtaaa accctggagg 360
ccagccccag gagagtgacc ttacccagga aagttctggg aaacaaacca cagggaggct 420
ttacaggaat ttttgttgc gcccacaggc aaggcacatg ag 462

卷之三

<210> 88
<211> 459
<212> DNA
<213> *Homo sapiens*

<220>
<221> unsure
<222> (437)
<223> a, c, q or t

<400> 88

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ccagactcct gagggctcg ccagttcaag cccacttcaa gcccagctcg tttggggta 120
cttgaaccat ctggggatt ccaacttagta tcttagctc ctgacatgag ctgttctact 180
gtgggctcg cccttgtcg agactgtatc cctataagggt cccggtctc tggtgacccc 240
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aaaagtccat gcttcggga atcaggaat cgccccaagg caaaaatgc tgagtgttc 360
tatatctgtt ttgtttcct ttctaacttc tcttttgtt gggtaattct tcaccatctt 420
gttgattctt taagtcntag cataacacac atttaaaa 459

<210> 89
<211> 1263
<212> DNA
<213> Homo sapiens

<400> 89
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cttgaaccat ctggggatt ccaacttagta tcttagctc ctgacatgag ctgttctact 180
gtgggctcg cccttgtcg agactgtatc cctataagggt cccggtctc tggtgacccc 240
tcacctctg tgggcctggg gcatggaccc tcgatccttc catctgaaga agctgtcaaa 300
ataaaagtcc atgcttcgg gaatcagggaa gtcgcctcaa ggcaaaatgc gctgagtgtt 360
tctatatctg tttgtttc ctttctatct tctcttttg tggtgtaatt cttcaccatc 420
ttgttgattc ttttaagtctt agcataaacac acatttaaa aatccagttg ttttagttgc 480
tttctgtctc catagaaggt caccatggg ctcagccctg tcggacctgg agcctggcac 540
catgaccagg gacagggagt cctcatgccg ttttaagcag tggtgatcta agttttat 600
cttaggtgag tcaaggctcg aaaagcttga gaccctgtc cttagggctg tacctgtccc 660
tttctccctt ttctccctgtc tggacttaggg ttcaaggggg ctgggtggcc atgtggagac 720
caagtagctg acaatccccca ggacctgtgg gtcagacac agggccctgc acctctcage 780
ccttccggtc tcagctcagc acctcccttg cctggccctt ctttctgtca tgagctccct 840
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ataatctatc catatccata tttttatttt ttattatttt gggacgaatg ctgtctgtt 1200
cactccagcc tgagctacag agtggagaccg tgtctcaaaa aaaaataaga aaaaaaaaaa 1260
aaa 1263

<210> 90
<211> 554
<212> DNA
<213> Homo sapiens

<400> 90
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gtaaatacat ttatttcaat tcctttctta catagggaa gaaacagagg ctgaaaaga 120

ttagttgt tcaagaaaaa acagtataat ttggagttt tgactttgtg agttttgtta 180
cgcgctgac attcattctt ttgtgcgttc agtgtattca aatcttcaaa tctagagcac 240
attgtatgct gggcagaagg cacagtacctt gaggattcag tggacagtga tacagaaaag 300
gctgctgtcc ttgggcactg atgagcctcg ggctactaca agtaagcagg cagtggcagt 360
aggtggaatg agggctgcag gtcctggcat catggatacc aattttggct tagaatggaa 420
gcggaggcctt ctttgaagaa cagcggctca agctgagact tgttaggaata gtgtaatta 480
acaaaacagac aggaagaaga gctttccagg aagacagcaa aacataggca aaggctctgga 540
gaggagagag agca 554

<210> 91
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (406)
<223> a, c, g or t

<220>
<221> unsure
<222> (411)..(412)
<223> a, c, g or t

<220>
<221> unsure
<222> (421)
<223> a, c, g or t

<400> 91
tattagtcca taaaggctat ttcttagtatt aaacaatgct taagaatagc ttggatccat 60
gaaaactttt gagaaggagg acaaaggcaga cggaacctaa tctctgaaca atttcaatta 120
catcttttac aagtggctgt tggctagtca ttaaaaatga gccattcaca cttgtggaca 180
cctttttgc catcgagact tgacttgcaa agcctttatt atccctggtt aagaacagca 240
cagctaataa aaacgaatca tatggcttta aactacttgc atccaacagg gacatcctaa 300
aaatggtccg gatagtgact tcatgaccat ttaggctgca agtgcctatag ttactaatga 360
gaacagatat ttccaaatgg cggcaataga ttatggaaaa tggagnaagg nnagagagta 420
ntttactttc agcta 435

<210> 92
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> unsure

<222> (551)
<223> a, c, q or t

<220>
<221> unsure
<222> (556)..(557)
<223> a, c, q or t

<220>
<221> unsure
<222> (566)
<223> a, c, g or t

<400> 92

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taaaatttgc cttttctt cttattatta gtccataaag gctatttcta gtattaaaca 180
atgcttaaga atagcttggc tccatgaaaa cttttgagaa ggaggacaaa gcagacggaa 240
cctaatactct gaacaatttc aattacatct tttacaagtg gctgttggct agtcattaaa 300
aatgagccat tcacacttgt ggacacctt tttgccatgc agacttgact tgcaaagct 360
ttattatccc tggtaagaa cagcacagct aataaaaacg aatcatatgg cttaaacta 420
cttgcattcca acagggacat cctaaaaatg gtccggatag tgacttcatg accatttagg 480
ctgcaagtgc catagttact aatgagaaca gatatttcca aatggcggca atagattatg 540
qaaaatqqaq naaggnnaga qagtantta cttcagcta 580
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<210> 93
<211> 724
<212> DNA
<213> *Homo sapiens*

<220>
<221> unsure
<222> (297)..(602)
<223> a, c, g or t

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<400> 93
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gaccctcaaa atattaa
aagtacactg aagaata
aataaacaat cttaat
tgtagtttc ttctttt
nnnnnnnnnn nnnnnnnn
nnnnnnnnnn nnnnnnnn
nnnnnnnnnn nnnnnnnn
nnnnnnnnnn nnnnnnnn
nnnnnnnnnn nnnnnnnn
nnntgtgccat ctttata

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agtttaaata cacaacaata tactaagttc ttagattgaa gctgtttta aatcacaaag 720
 acag 724

<210> 94
 <211> 586
 <212> DNA
 <213> Homo sapiens

<400> 94
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 gcccatgatg gcacatgaag gctggagca cggtgctcaa ggatcagctc atcagggaac 180
 ttgaccaaat ttagagcaag gccctttagt agtgtataga gatgtttgtt ctaagcagca 240
 atagaaaagct tctggaatct gttccattaa gaggtgatag aaacaaaata tgagtgcgtt 300
 tggagttgtt ttcagcagag tcacaatgt agcaccatta tagatatttt acagacataa 360
 tcctgatctt ttgggtggat gaccagaatg tctagttggt tcactgagcc ctggtttga 420
 cccaatatgg taattcgtga actcttagga ggccagaaat atcctaattcc tgtgcaaggc 480
 aggaccctt ggactgtaac tgtcttgct gctttggc gtgaaggaga ctcagaggcc 540
 caaacaagaa ttttagaaaaa agagcaatag gattgtgtt aaaaaaa 586

<210> 95
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (480)
 <223> a, c, g or t

<400> 95
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 tttccctca acagggttat tggctgtctt ttaagtgtact aaaagagcgt atctttatgt 120
 gaatttttagg catggtcata tgattaatac aaggataaaag caaccaaatg ctctcagtt 180
 ttattcccggt gctatttgtc tgtttttag ttcatggagt attgtattgt acttggtaat 240
 ttgatgtctt tgagatgtcc ttttagacaga ttttaacta caggacttcc tctgtagaat 300
 cgacaatgtg ttcactctc tgtggcattg acaatgtttt tgaatgccta attgttcagt 360
 agaactccgt ggttattttt acaactttgt acattattat aaatattta tattagttgt 420
 atattccact gcagatagca accagaaaac taaaatacag aaatattaca tattagagn 480
 gattataatg g 491

<210> 96
 <211> 634
 <212> DNA
 <213> Homo sapiens

<400> 96
aaataattta acctaggaaa agaaaaagaa aattgaaaat tggagctaaa ataatttgat 60
tttccctca acagggttat tggctgtctt ttaagtgact aaaagagcgt atctttatgt 120
gaatttttagg catggtcata tgattaatac aaggataaaag caaccaaatg ctctcagtg 180
ttatcccgt gctatttgc tggttttag ttcatggagt attgtattgt acttggtaat 240
ttgatgctt tgagatgtcc tttagacaga ttttaacta caggacttcc tctgtagaat 300
cgacaatgtg tttcactctc tgtggcattg acaatgttt tgaatgccta attgttcagt 360
agaactccgt ggttatttatt acaactttgt acattattat aaatattta tattagttgt 420
atattccact gcagatagca accagaaaac taaatacaga aatattacat atagagagaa 480
tataatgtac aaaaaaaaaatc ttgggagatg agtgccttgg gtttaattct attttactg 540
aaaccagaga ataataggat tcaaatctac ctaattttc tattttctg attttccatt 600
ctgtatgctc ttcttgaat ttttccttg gtca 634

<210> 97
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (326)
<223> a, c, g or t

<220>
<221> unsure
<222> (331)
<223> a, c, g or t

<220>
<221> unsure
<222> (337)
<223> a, c, g or t

<220>
<221> unsure
<222> (371)
<223> a, c, g or t

<400> 97
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tccttataca attagaattt catttatatt agggagttt atattatccc acagatcctg 180
gatgatatat ttcattttct tcctttctt ttccttagtg ttcagttt gacgagttt 240
atcgacatat cttaaggc actaatgatt ttctcagctg tgtcaagtct cctgataagg 300
ccaataaaaga gactatatct attatngtgt nttaanttc tagcatttcc attttattct 360
tagagttaa nctctataat gaaattaccc atcttat 397

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<210> 98  
<211> 342  
<212> DNA  
<213> Homo sapiens
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<400> 98
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ccagactcac ttttctcaga tgtaaaactg accagccttg tgccacagat gtgaagatag 180
ccccatagaa cttaaagagc agaccataac ttccccatgaa tgagagctac taacatttac 240
atctgaaaaa caatttggat acttacccaa gtctccaaca aacaaagtca cactgaagct 300
qqagaaqcaca ctcataaacac ccqqaaaaac atttttttt aa 342
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<210> 99
<211> 873
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (338)..(528)
<223> a, c, g or t

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<210> 100  
<211> 297  
<212> DNA  
<213> Homo sapiens
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<220>
<221> unsure
<222> (48)
<223> a, c, g or t

<400> 100
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cacacattca tatatggttt cagtcacaaa atggggtcat tctctccct gacctatcat 180
ttagggcatt ggaacatggc tgcatgtggc tctgttgc 240
ggaggctctg cattatttg ctttaccaa cattgcagca tgaacgtttt tttaact 297

<210> 101
<211> 258
<212> DNA
<213> Homo sapiens

<400> 101
aatataaaata cgcccttaat agtaacacct aattacctaa caccatcaaa aatggggtgc 60
tccatgaaga agcacataat tcaaattatt gaagtttac ccttctaatt accacataga 120
tttctcttgc cccattaaaa aattagataa tcagtatttc taggatagtt gtttcttcc 180
aaccaattaa ggcataatct atgttagcaga acattcagag gatgatgcct ggtcaacatt 240
tgaataaaaca atcactgt 258

<210> 102
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (603)
<223> a, c, g or t

<400> 102
aatataaaata cgcccttaat agtaacacct aattacctaa caccatcaaa aatggggtgc 60
tccatgaaga agcacataat tcaaattatt gaagtttac ccttctaatt accacataga 120
tttctcttgc cccattaaaa aattagataa tcagtatttc taggatagtt gtttcttcc 180
aaccaattaa ggcataatct atgttagcaga acattcagag gatgatgcct ggtcaacatt 240
tgaataaaaca atcactgtga tgttacctt atttaagatg actccaataa aacttctatg 300
gtttgcatta tttagttgatc agactttaag cattatctt tgatagggtc aaggaacctg 360
tcttaactcc ccatctctga cccaaatata cttgtttct ataagctata aagccagata 420
gcccaattta tgagaattgt ccctatacta tatccatgtg agcgatgagt gcctggcatg 480
aagatgcata aaggaggcag taatatacaa caactgaagc ataaccctctg gagccagtct 540
tcttcagaca aatcccaatt ccattactca ctggccacct aaacaagcta cttaattcat 600

ctncctcagt tttcttcaac tgTTTAATGG gTATGATCAA CAAACCAACT TCAGTGGGTT 660
atcataaata ttaataaaatg agagaatgca tgtgaaaaca agctataaagc aa 712

<210> 103
<211> 173
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (96)
<223> a, c, g or t

<220>
<221> unsure
<222> (140)
<223> a, c, g or t

<400> 103
gaatgtggct ggtgagtagg cacttggtgt ggcagtgtgg cttagtggta agaacatggc 60
tggtagattag gcatgtggtg tggcagtgtg gctggngggg acgagcatgg ctggtaggt 120
agaacgtggc tgggagtagn agcatggccg gtggtaggtt atgtggctag tga 173

<210> 104
<211> 688
<212> DNA
<213> Homo sapiens

<400> 104
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ctaaagagat ccagtaactga tgacgctgtt cttccatctt tactccctgg aaactaacca 120
cggtgtcttc tttccttac caccacccag gagctcagag atctaagctg ctttccatct 180
tttctcccag ccccaggaca ctgactctgt acaggatggg gccgtccctt tgcctccttc 240
tcatcctaatt cccccctctc cagctgatca acctggggag tactcagtgt tccttagact 300
ccgttatgga taagaagatc aaggatgttc tcaacagtct agagtagtcc cccctctccta 360
taagcaagaa gctctcggt gctagtgtaa aaagccaagg cagaccgtcc tcctgccctg 420
ctgggatggc tgtcactggc tgtcgttgc gctatggctg tggttcggtt gatgttcagc 480
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acctgacactg acagggagga ggctgagaac tcagtttgc gaccatgaca gtaatgaaac 600
cagggtccca accaagaaat ctaactcaa cgtcccactt catttgcattt attcctgatt 660
cttggtaat aaagacaaac tttgtaaa 688

<210> 105
<211> 977
<212> DNA

NOTES FROM THE FIELD

<213> Homo sapiens

<400> 105

ggcttggaga gggcacaga ggctagtagc tgtgtggact tgcaggcagc cccaaatgct 60
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gtggccagcg ctctcggtca tcattcagtc tgatggcttg agtgcctcta tgtttgcatac 180
atgctgagac cgtattctag tgccgtattc tggaggtact gggtgtaccc acagattaa 240
gaatgcaaat ctggaggtac acccagtgga ttcaaagtag tctcatagaa caaagagact 300
tatatagtga ccttgctgc atccactagt atacaccatc tgaggtctct tgaactgaaa 360
atgaatgtgg aagcaaggaa acagtgtgat gttcagctct cagatctcac atggcatctg 420
atttggcttg aggtgcctcc cctcctctct gtccctggc tgtggctca tggattggca 480
gagcccagtt atggcctccg ttttacttgc tataatatcc agaggcaatg tactagtcta 540
cctagaaaat tgtgctcacg gcaccccttt gtcacattaa taagcattat ggacactacg 600
acattttatt aagtattttg ttctggatc tacttgatta tagtaaatta tcaaaatcct 660
tattnagctc atggactctc attaaagcat gttctggaaa cttggccat aggttaggag 720
cctgtaaagt ttgattcatt gcaagatata agtgattagc agttggtagt agtgacattg 780
atggggccccca ttaaaaggtc tattggatgt ggtggtagc tagcgatagg ttggagttgg 840
aggtcagcat ggatgtctct gatttagaac caagcttacc tttgcataaac ctatagtgac 900
actctcttca tctccccacg ctttagccat gtctccctga ggttcataact gtttggaaatt 960
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<210> 106

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (357)

<223> a, c, g or t

<220>

<221> unsure

<222> (367)

<223> a, c, g or t

<220>

<221> unsure

<222> (391)

<223> a, c, g or t

<220>

<221> unsure

<222> (410)

<223> a, c, g or t

<220>

<221> unsure
<222> (430)
<223> a, c, g or t

<400> 106

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ggttccacct ctgccaaagg cacacctagg agactcctca tgtccagctg agaagagggg 120
gacacccctt gtctgagact gcagctcaca ctgctgcattt cttccctggac accatctctc 180
tgaccttgggt cgcatctgcc tagcctgcag ctacgcttc tgacctccag ctcttcctct 240
ttctcccttc ggtaatacca aagtctcaag aacacagccc tcacttctag acagaaaggc 300
ctcaccagga cccacctgtg tggcccaggt gtgacctcat gtacaaacac atctccnaaaa 360
atcaccnctc cgtcatcatg gaccctagta ntatccatga gttaacnctn atttctgtgt 420
taatcggggn tgcagcacat ttgggtgcag attcattgtg gctttgggt gccatttggg 480
actctcccccc atgcacaatg 500

<210> 107
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (466)
<223> a, c, g or t

<400> 107

gccatcttc cactcattcc ttctcaaaag gaatgttagta ccatatagta gttaagaata 60
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tttccttca tctttaaattt gaagatagta acaatctcat ggggttgtga taactaagg 180
ggtaatgcat gtaaaagtgc tagaaaaatgc ctggacatag gaagctctaa gtttgctgct 240
actactgtta ttatggttac tattattaaat cattgcaagg aaaatgtatc aacagatgaa 300
tttggttcaa tactgccttc tagttttgtg accttagaat ttataggaac aaaaaagatt 360
tgaagggagg ttgggctgga tcatagagag cttgattcc atgttttagg atgtatacac 420
agtgagaagt cttcaggtt ttggccttgg gaagagttgt gaatcngaaa gttaac 476

<210> 108
<211> 834
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (824)
<223> a, c, g or t

<400> 108

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attaggactt attcatttgt ctacttggtt cctgtatTTT tttaatgtca ctatTTTgac 120
agtaccaata aaggtaaagc cactcaatta cgcaGGGCTC tctctttatg ctttgggttag 180
gtgcacctgt gcaactgagg ggacgggtcag tgTTtatcaag gttacctgtt attacaagta 240
gaagaaccca caaagatcag gagagagCTC atttcctCC attagtagga ggtaggacta 300
tacattcaca aacacgaacc ttAAAATAGC tcacaaaata gtgtcataca tgtacccAGC 360
catcttcca ctcattcctt ctcaaaAGGA atgttagtacc atatagtagt taagaatata 420
gacactggag ccgatcttct tgagttccaa tagtggctct tctactttt aaatctcatt 480
ttccttcata ttAAATTGA agatagtaac aatctcatgg ggttGTgata actaaggGGG 540
taatgcattt aaagtgcTTT gaaaatgcCTT ggacatAGGA agctctaagt ttgctgctac 600
tactgttatt atggTTacta ttAttaatca ttgcaaggaa aatgtatcaa cagatgaatt 660
tggTTcaata ctgccttcta gtttGTgac cttagaattt ataggaacaa aaaagatttG 720
aagggaggTTT gggctggatc atagagagCC ttgattccat gttttaggat gtatacacAG 780
tgagaagtcc ttCAggTTTt ggtcctggga agagttGTga atcngaaagt taac 834

<210> 109
<211> 498
<212> DNA
<213> Homo sapiens

<400> 109
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aaaaAAAtact ctTTTcccCT tcCTCGGACA CCTAAATCTA agagaACAAc tcCTATAAA 120
aaatgatata AAAATCAtAC AtTTTggAAG tatGTTCTA actGTTCTGA gaggCTGcat 180
ggtaaAGCTG aagtGAAAGA tGtAtTTAA AtCTGtAtAt atGAGCAAt atATATTGAT 240
gattGAAGCT aggtGCTGCC taaAtACAtG gCCAGACtT tgAGGAAtTA tagtGtaAtG 300
gCTGGGAATA caggTTGGA gTCACACCGT agAGCTGAA gCTTGGCTT tATTTAGCTG 360
tggGTCCTTG ggcaggatac gtaatCTGTC tGtGCCTGAA AtACCCACCA cACCCATCCT 420
gtaatGGGGG gataAtAAAGC ctgcctAtCTC catGGGGCTA ttaAGAAAttT tcAGTTAAct 480
tttacttAtG aagtGCTA 498

<210> 110
<211> 259
<212> DNA
<213> Homo sapiens

<400> 110
tttaatgtgg tttagTTTA gtcacttaga tttGCTTTT atggagtGAC tggagTTGG 60
ggaggGGGAGC aggGAGGTTT ttCTTTTTT ctTTATAACA CTGGCTAAAT AtTTTAATTA 120
ctGCTAtAGA AGGAAGAAGC taaaAGTATT GcattCACAA AtATTGATA GATTATAACAA 180
acacAGAAAT AtATGCAAt GcatGTTAA AAtATATGCC ACATATCAAC ACCATGTATC 240
caacttGAAT aaggtcatt 259

<210> 111
<211> 414

<212> DNA
<213> Homo sapiens

<400> 111
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gacatatcac ttgcctcatt aacatcaagc atccaaaac ccagtcggg tcagtttgc 120
ccagagtggg gttttagaa cacgggttc cctgggatcc tataccttagc ccagaatcag 180
ttgcaaaagc caggccatag caaattgtcc tgccagccag atagcagaga atctgacggc 240
agcaggcaga aggagccgct ccattgcagt aagccaagat cgcccaactt gcctcattac 300
atcaaggcatc ccaaaaccca gtctgggtca gtttgccca gagtgaggtt tgtagaacac 360
gggttctcct gggatctata cctagcccag aatcagttcc aaaagtccaa aaga 414

<210> 112
<211> 589
<212> DNA
<213> Homo sapiens

<400> 112
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gtgaaggacc caggaagtac agacactggt ggtcaaagaa caaggtagg agtgtcatca 120
aatgatagtg ttggcagcat gggagctgtg ggttagaggt gagataccta aatttatgtat 180
ttctgggtgg cagtaacttc tagggtgtgg ctgtgggagt gggcctctga atgggggtgga 240
ggagaaaaatc attaaagatt agaaaatctt gggatttaga ggataggttg tggatgggt 300
gatacacgtt agtgttgcatttggccaggg taacgccaag agttggcaga gaaaataata 360
ctgacctaga cttaataaaa ggatttggga atgacagaga agcaacagta aaaataagg 420
ataatttagat gtttgggtgt ttgcctggc tgtgtctgtc ctgtgtctgg ccaattatta 480
caatgtattt acactgtaaa tacatgtaat tcatataata gtttataag tagcaaaatg 540
tagttataata aaaaaccatc tttagtcttct tacagaatat ttagttacc 589

<210> 113
<211> 471
<212> DNA
<213> Homo sapiens

<400> 113
cccaggctgg gggtcaggtg aggagggagc tgggatccag caagcctagt gaaacccagg 60
ggacagtggc ctcggtcaca tccaggatgg tgatcaacag ctgcattcatc ccgttcctt 120
ctcaagcgac aattccagag ccttggccac acgggtcttg tatctttcgt attcagaccc 180
cctgggggttc cagcccccta ctgccttcac tttcctctca ccccttgact catcttcct 240
gctacttgtc acttgagata cctaagatga tgtgtttat ggagaggta gagcaccagg 300
ttcagaacca ccctgtgact ttggcctagt cacctgacat ttctagactt tgggtgtcttc 360
attcataaaag gcagtgtgga ctgcttgctg atgttatcgt gaacctgaat tccttcttag 420
agtttctaag tgctttctgg ggattaacct tttaaatcct tgcagtagcc c 471

<210> 114

2001-07-21 10:20:01
<211> 1032
<212> DNA
<213> Homo sapiens

<400> 114
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agaacccatc ccagggtca ataagaacct aaccgcct gggatggccc ttccctttct 120
gccaagggtcc ttccccatgcc aaacctcagg cccttatctt ggtatctgtc accaccccacc 180
accacccca cacacacaca gtcatgcaag ttgtaaagaca gtgacagaag atttgaagaa 240
gaccaccaga gcaggggata gcagaacatg cagacttagg gggaaagccag gcgttcatac 300
caaagaatta gacctgttgg gtacccagc tgggggtcag gtgaggaggg agctgggatc 360
cagcaagcct agtgaardacc aggggacagt ggactcggtc acatccagga tggtgatcaa 420
cagctgcattc atccccgttc cttctcaagc gacaattcca gagccttggc cacacgggtc 480
ttgtatctt cgtattcaga cccccctgggg ttccagcccc ttactgcctt cactttcctc 540
tcacccctt actcatctt cctgctactt gtcacttgag atacctaaga tggatgtgt 600
tatggagagg ttagagcacc agcttcagaa ccacccctgtg actttggctt agtcacactga 660
catttctaga ctttgggtc ttcattcata aaggcagtgt ggactgcttg ctgatgttat 720
cgtgaacctg aattccctct tagagttct aagtgcctt tggggattaa ccttttaaat 780
cctgcagta gcccaataag gtaggtattt ttgttatccc cattttacag gtaaggaaac 840
tgaggcacag agagtaattt gcacaaggct tatggcttt tagtggagga gccaaaggatc 900
aaattaagag tggttgagtc aggcatgggt gcccctgcct atagtcccag ctacttgaaa 960
gagtgaggtg ggaggatcgc ttgagcccag gagtcaatg ctacagagca agacctaacc 1020
tctttaaaaaa aa 1032

<210> 115
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (428)
<223> a, c, g or t

<400> 115
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tgtttaaaaat gcttctcaaa tttaacatat cctaaagata attttgcgtc tccccacaaa 120
acttgctctt tttgcattca ttgcgtgttt agttaatggc accaccatcc atactgttac 180
tttagccaga aacctttgaa acatcccaat tggtctttctt gatttcttctt gtttcacaac 240
ttattctcca cagacaggat actccaaaca gtacccaaag ccattgtctc ttatactttt 300
caatctataa aatatacata cataagagta tataaaatattt attataaaatg aaatatccat 360
gtatccaaac acacaggtt agaactggga acacaatatg caaaagaata atattgggac 420
ccccctancc tcatgtcata 440

<210> 116
<211> 249

<212> DNA
<213> Homo sapiens

<400> 116
aaaaaaaaagtt ctgacaattt gtttgctttt acatttcaa atttgtaaaa tgttagagata 60
attttgtttt caaatctttg taattccctg aagcaaatac tttcaagcca gttgcaaaat 120
gctgcttttag aaataattca tataaacatg cttctctatt taatcacaag gggagatgtg 180
gagaatggat gttttatTTT ttcaGAGTTT tttgctctat aaaaatatta aattgctatt 240
atgattact 249

<210> 117
<211> 1017
<212> DNA
<213> Homo sapiens

<400> 117
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tggtttgg ggaccatgct gcctgcctgt cgagaccaag catcgatact gtgtgtctac 120
ctgatgaaag tgtccagtat gtgtctgcat gacttgggaa cactaagaaa accaaaggaa 180
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gcaaatttaa tgaaacttta acaatcagta caatgtttct ccttaagaac tttgtaaata 480
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aaagagaaaa agtcagtggt tccagcattt gctttagtct gtgacttaaa tggattataa 600
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tccttgaagg aaatacttca aagccagttt caaaatgctg ctttagaaaat aattcatata 900
aacatgcttc tctatttaat cacaagggaa gatgtggaga atggatgtt tatttttca 960
gtagtttttg ctctataaaaa atattaaattt gctattatga ttactaaaga taaaaaa 1017

<210> 118
<211> 332
<212> DNA
<213> Homo sapiens

<400> 118
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ttcccccttc acacaaaata acttcgtatg ttgttagtaa gcaggagaac cagcctttga 120
actcaggact gtttaaagac caaggccctg gccactgaaa taaaacatct gcaactggca 180
gattaatgaa aggctctaga agggaaacaaa aaacccaaga gactgctggc agtgatagct 240
gagtttttagg gggaaaagtt gtttttagtt tccctgtata ctttcttgc tagttttaaa 300
aatctacagt atttacactt tcaaaacaaa at 332

<210> 119
<211> 344
<212> DNA
<213> Homo sapiens

<400> 119
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gttaggagga aaagaattca ataatcctat cagttctgct gtaaaaacaaa tgagctatga 120
aattctggtg aacactgatt ttatgtctcc attcttgagg acactgttag tttgtttca 180
tctgtatgcc ttgatttagag caaataacct taaatatcct taaggaaact tagatataca 240
tcatttccag ttttatcaa atgtgaattt ttttgtcat actgcccacc taacatggga 300
tgtttctca gaatattgtt cacttatgtg tttgagttc tttaa 344

<210> 120
<211> 718
<212> DNA
<213> Homo sapiens

<400> 120
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tgaatttttatt ttaggtctt cttgtgtatt taaaagctaa gttatctgt aatcattttt 120
ttctatacct ttgtcagtaa cctcttagtg atgaaataaa aaagattagg taatcatcca 180
gcaatggggaa agaagttaag gaacaaagag ctcagattaa actagttttt agaatctaag 240
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gactgtgtat ttctggatgt tatacaagaa cctcagctca aactcagat tccctaaacc 600
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gaaagaatag tatgcaaaat atcagagtgc attgtatgtt gcaagagtag gtattttc 718

<210> 121
<211> 2617
<212> DNA
<213> Homo sapiens

<400> 121
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acacagtggaa atgctttca ccataaaaaaa ttccacggaaat catgtcattt cagcaacatg 120
gtggacaatg taagaaaagc tccccggaga agctgtacag aagctgcctc ctcagcagtc 180
agggccaggt accggagctg ttttaccca aggacagggc cggccccaaag tcatacccaga 240
gctgccatgg cacccctca gtcgggtcct gaggaatcct acacaagcta cttatatcag 300
tgatcactag gataatccat agaacttttggaaagaatg ttaagacctt tctccacca 360

tttcagcagg ataaaattcca actggattag aaaatgaaat gtaataatg caaataagta 420
catatttata tctgtatata aaatacagtt gatattgcc tggtgttag gtgtctaaag 480
gactttctaa gcataaaggc aaaaaaaagt cataaaaatg ctatagcagt ttgagactct 540
atgcaggaaa gggcatcatc acgtgcattt atgaatctgt atctaattt aaacaatttc 600
caatggtgcc tggttcctt tctttgaaaa tctctggaga aatagttcct cttgctgtgt 660
cttcttttag gcaagaattt ttactaattt atgtgttagtc tgaatcctgg ctaagtataa 720
accccttatt ttttatacct gttcttagtg aaaatgaaac tgtgacttt ttttaattc 780
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<210> 122
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (74) .. (294)

<223> a, c, g or t

<400> 122

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nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncactaa 300
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caattacctt ggg 373

<210> 123

<211> 308

<212> DNA

<213> Homo sapiens

<400> 123

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tcagactgggt agccccaca accacaaaagc tatgtctact ttcatcagaa ggagctccct 240
aagtggggaa gggttctccc tattttcccc ttccaggtgg gaaattcctg gccagggtcc 300
cctgtctc 308

<210> 124

<211> 774

<212> DNA

<213> Homo sapiens

<400> 124

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gttcccgaag gccctcgaaa aagttggta atgcaaacag caggcagcca gagagcctgc 180
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gggtttgtga gagcccgac tgccccagtg agggtaacagg agtacttc ccaggcagga 420
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tggtcagaca gggagctccc cgagggcaga ggtcctgtct cctccatcag actggtagcc 660
cccacacaacca caaagctatg tctactttca tcagaaggag ctccctaagt gggaaagggt 720
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<210> 125

TOP SECRET

<211> 271
<212> DNA
<213> Homo sapiens

<400> 125
aagtctacg catggtaaa aaaaaaagaa aagaaaatcc aaaatagtagc tgaaggatcg 60
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ctgttagtggg ctcccaaga tacttctagc catgctctgt ttgtgcattgc ttatccctgc 180
acagacagca gaagctgtct tggcaacaa gaccaggaag catttgtatt tgcaggtaa 240
ttgaaaaatt catttaaggt ggagaaccat a 271

<210> 126
<211> 1950
<212> DNA
<213> Homo sapiens

<400> 126
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gccagtcctt gcattggcat ctgcagatt gaagaagtag gccccttcc tagtcttcat 180
ggactggatt tggcaagaaa agtccttcat cagtcagcca ttcagaaact ctgggaagcc 240
tatctggtaa cgtccatggg caggcaaaat ttgcattca gctacaagaa gtgcagttgg 300
cagacagcct tcaacttcag catcttcaga gtctgcctt acyttcaagc tgaggccatg 360
gacttctcag gagctcctag ccaatggctg agaacaacgt gtctaacaca tttttctttt 420
ctctttatg gccaaggcat ggctggccaa tggatgtt ctctctccaa aggaggcagg 480
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ccacagcgac cccaaagaagc tgctccaacc cctggacta tggagctcta cagctgtaga 600
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ctgatgggtt gggccaatgg gtcaggcatc cagtcagctc tggctaaagg agctgcctgg 720
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gccacaaaat cctggctgcc agtgcctccct ggtctgatcc taaaccctgc ctccctgggt 840
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agtctacgc atggtaaaa aaaaaagaaa agaaaatcca aaatagtagt gaaggtatgc 1740
agtacacagg aagcctccgc ccacccac cttccagtttgg aggtatctgc 1800

tgttgtggc tcctcaagat acttttagcc atgctctgtt tgtgcataatccctgca 1860
cagacagcag aagctgtctt ggccaacaag accaggaagc attggtattt gcaggtaat 1920
tggaaaattc atttaaqqtq qagaaccata 1950

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<210> 127  
<211> 209  
<212> DNA  
<213> Homo sapiens
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cctactaaag gggacttcaa agtagaaatc gtcaataacc ttttacttgc tacagtttagt 180
ggccatcaaca tttatgtttt aaagatctt 209
```

```
<210> 128  
<211> 496  
<212> DNA  
<213> Homo sapiens
```

```
<400> 128
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tgtattcagc tttcctgcct ctggctctct gtcttttacc nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
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nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttatc actttaaaa 420
ctaagaaaac aatgatcacc atacatgctc tgcttccaaa ctatactttc acatccaaag 480
taaccccaqa ttcatata 496
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<210> 129  
<211> 252  
<212> DNA  
<213> Homo sapiens
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<400> 129
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tgataggcta gaactatagg gttgctctat attgatcagg ttttaaaaga taaaaatgaa 120
aaaaaaaaatcc tatccagaca aaataaaatca gtgtttata ttttggagc atcagaactt 180
actttaagac ctcactggta attcttagc ctctcacatg tgataaaagac attgtgctta 240
catttttta aa 252
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<210> 130

<211> 149
<212> DNA
<213> *Homo sapiens*

<400> 130
atcagaatcc tggaagggt ttgttaaaac actactaggc agggtgaggt aacctaagag 60
cttttggagg cccaggtgag agggatcact tgcggccagc agagttcaag agcagcccag 120
qcaacacacaqq qagacacctt ctctacaaa 149

<210> 131
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (217)..(273)
<223> a, c, g or t

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<400> 131
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cgggccccggg cgagctgcag gcctgaaacc cacccacccct cttagatgtg tctgtgggcc 120
atagaaatta ctagggttgt ctgggtgtg gcctcaacct gttcaacaac aggtgtgtctg 180
tttccattct gaaaaccagt cctctgtctt ccagaannnn nnnnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnntactagg cagggtgagg taacctaaga 300
gcttttggag gcccaggtga gagggatcac ttgaggccag cagagttcaa gagcagccc 360
ggcaacacag ggagacctct tctctacaaa 390
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<210> 132  
<211> 1079  
<212> DNA  
.  
<213> Homo sapiens
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<220>
<221> unsure
<222> (874)
<223> a c a or t

<220>
<221> unsure
<222> (879)
<223> a S a or t

<220>
<221> unsure
<222> (885)

<223> a, c, g or t

<220>

<221> unsure

<222> (887)

<223> a, c, g or t

<220>

<221> unsure

<222> (890)

<223> a, c, g or t

<220>

<221> unsure

<222> (894)

<223> a, c, g or t

<220>

<221> unsure

<222> (896)

<223> a, c, g or t

<220>

<221> unsure

<222> (899)

<223> a, c, g or t

<220>

<221> unsure

<222> (921)

<223> a, c, g or t

<220>

<221> unsure

<222> (924)

<223> a, c, g or t

<220>

<221> unsure

<222> (926)

<223> a, c, g or t

<220>

<221> unsure

<222> (931)

<223> a, c, g or t

<220>

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<221> unsure
<222> (933)
<223> a, c, g or t

<220>
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<223> a, c, g or t

<220>
<221> unsure
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<223> a, c, g or t

<220>
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<222> (975)
<223> a, c, g or t

<220>
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<222> (977)
<223> a, c, g or t

<220>
<221> unsure
<222> (988)
<223> a, c, g or t

<220>
<221> unsure
<222> (993)
<223> a, c, g or t

<220>
<221> unsure
<222> (995)
<223> a, c, g or t

<220>
<221> unsure
<222> (1007)
<223> a, c, g or t

<220>
<221> unsure
<222> (1013)
<223> a, c, g or t

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<220>
<221> unsure
<222> (1030)
<223> a, c, g or t

<220>
<221> unsure
<222> (1037)
<223> a, c, g or t

<220>
<221> unsure
<222> (1050)
<223> a, c, g or t

<220>
<221> unsure
<222> (1061)
<223> a, c, g or t

<400> 132
gggataaaa ctcccttaa aagaatcctg ttgtattta atattgttcc ggggttctt 60
gcataatgtat atgctctata tgaacaatac tgaaatgaac atccatatct atgacctctc 120
tctgcactcc aggctcagat atgcaactcc ctatttgaca ggctctgctt aaaaacttgc 180
gggcatccca gaggttaacat ggatctaattg gaaggtttga ttttgtcctc caagccagtt 240
cttcccttga ctttctacat ttcacccaaat gatacccaa ccactcaattt attcttagccc 300
aagatctagg agttatttctt aggtttccctt ttacccctc cacatggatc catcagcagg 360
tcttgtctt ttttcttccc aaatatatct caagtccatg ctcttctgtc tgtccctact 420
gccactatcc aagctctgag gccatccatt acatggacaa ctataaacta catgtcctaa 480
tgacatatta gcagtagagt tgcttaggtca aaagattgt gtgttttattt ttgatagact 540
ttgctacatt attctcaaag aggcttctc agtgttatct gcttattata tgagaatttc 600
tgtttctgtt ctctgtcacc accactgaat atcagggtca ctcttagccc atagccctcg 660
gagaattaga agtcacttcc tctgggtgag gcagctagct ccacagcaca gacttaacaa 720
gtggaaacttt agcatgtatt taattccac tcattctt acctatgtgt ccttctgcag 780
tcaacactct acacaactgt acatgaccac aatgctgtgc ataaataatt ttttagactc 840
tttggtaaatc tatatgtaaa aaatggcatc ttantttgna taagnanggn ggangncant 900
taaaaatttctt tttccttgga ntgncaatt nanagacttt cctnatttt agggttccta 960
acaatggaa aatncnggg gttaaccnaa ggncnatcat atattnacc atnaaaaattt 1020
tttccttggn accttangtt tgtaaaaagn actttttat ngaaaccttt aaattttta 1079

<210> 133
<211> 303
<212> DNA
<213> *Homo sapiens*

<220>

<221> unsure
<222> (295)
<223> a, c, q or t

<400> 133

ttaagtattc aatttctgtt ttaaatgcca agaggtagaa attaaaggta ggcatggtgg 60
tcacagtcca ctaaaaaact agtattccaa ctcttattcc ctggcacact actaaatagg 120
caaccaggga tttaaaaaat ggtttctggc gtccaggtaa gttgcataa aacccaaaata 180
aaactgttta atactgggc cactacatta atctatggtg ctaacacgtg ctgtgaaccg 240
tggggtcagg ggctggggga taaagttgca accatttttt ggggggttgg gggangagga 300
qqq 303

<210> 134

<211> 546

52123 DNA

<213> Homo sapiens

<400> 134

ccggcaaatt taacccaaaa aaaaaagtaa tatgaccata attaatatca gtcaaaaat 60
tctttaaagg aaaaaaatac taataagaga actctataaa aataaaagaat ataataaaaa 120
gagatcacat ttgcaaattt acattgttta atatcatagc ctcaaaaataa attgcatata 180
aattttaaaa cctatggaga aattgacaaa tccaccaaca ctgtgggaaa ttttaatac 240
atatctctta gctattaatg cataaagttag gtaaggaaaa ccaataggat gcaaataatt 300
tgaacaataa aatcaacaac tttgatttag ttgatataca tatacagaca cttgcattt 360
gtaattggaa aatatacatt attttccaac acacacaaaa aaacacttgc aaaaatggc 420
tgtgtcttaa attttcaaa gaactgatat catacagaac acatgtttag accataatgt 480
agttacatta gaaaatgtgg caggattct gattctcctt tctgtgctag ggcatacagt 540
taaattc 546

<210> 135

<211> 590

<212> DNA

<213> Homo sapiens

<400> 135

aaaaaaagtaa tatgaccata attaatatca gtcaaaaat tctttaaagg aaaaaaatac 60
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acattgtta atatcatagc ctcaaaataa attgcatata aattttaaaa cctatggaga 180
aattgacaaa tccacccaaca ctgtggaaa ttttaatac atatctctta gctattaatg 240
cataaaagtag gtaaggaaaa ccaataggat gcaaataatt tgaacaataa aatcaacaac 300
tttgatttag ttgatataca tatacagaca cttgcattt gtaattggaa aatatacatt 360
attttccaac acacacaaaa aaacacttgc aaaaatggc tggtctttaa attttcaaa 420
gaactgatat catacagaac acatgttatg accataatgt agttacatta gaaaatgtgg 480
cagggattct gattctcctt tctgtgctag ggcatacagt taaatcacat tttcaccttc 540
cttqtattna tqaqacttag ctctgtcctt atgaatgtgg gcagaagtga 590

<210> 136

<211> 165

<212> DNA

<213> Homo sapiens

<400> 136

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gagggtcata ggaggtgagc ctgggagccc tttagggaggg aggggtgttt gcagctctgg 120
gcctggcagg ctcacccctt ggccccagtt tcaattctgc atgca 165

<210> 137

<211> 172

<212> DNA

<213> Homo sapiens

<400> 137

tagttacagt ccttaaatat atgtcttggg tgccctgtgg ctgtgatttt ttaagggaaa 60
ttaacttatt ttaaataaaaa taaacttaat taaaataaaa attttgttat ctaaagccaa 120
atagaaaaaaaa ttccacattt tttcttacag tgctcattca tcagaacctt tt 172

<210> 138

<211> 809

<212> DNA

<213> Homo sapiens

<400> 138

agtacgtaca gtatcaaaca gtctccctcc ttttctctgt gattggctt ttctccttag 60
agaatgtcct ccctccaact ccaaaagaca tgcctctgtg gtatagttac agtcctaaa 120
tatatgtctt ggggccctg tggctgtat tttttaaggg aaattaactt attttaata 180
aaataaaactt aatttaaat aaaattttgt tatctaaagc caaatagaaa aaattccaca 240
tttttctta cagtgctcat tcatcagaac ctttttttt tcttcttatt ttttctttt 300
ttggggagaa tgggtcctcc ctttggtgcg catcaggggg aataagaggt acaaacaggc 360
ggtgattata cgctcacttg ggagtttggaa aactccgggg gcatcattgg gattcccatt 420
ttgtcctcaa gcctccggag tagctaggac atacgggtt tgcaccacaa ggccgggata 480
aatttcaaaa ttttctcac gagacaaagt ttgggattct tggccccagg attgggacgg 540
ggtatatcac aaaagaaaact atttcagggg cgcttagaga ggctcaagtg acacctactt 600
atcaggggtt tccagtggag agaactgtac cctaccctta ctaccttta agtggtgcc 660
ctccctccac cttaaacctt tacacattac ggaactggcg ctatcattt aaagtcaact 720
aacctggact ttggacttct ttaacacttc agtccggga tccaaactaa aatcttaggc 780
aaggcctaattt ggacggtaga agtctacgc 809

<210> 139

<211> 294

<212> DNA

<213> Homo sapiens

<400> 139

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ggaaattgca agaaaaagat tgggaatcag aacagcagaa aggtattttt ggaagggtaa 180
tttactgatt ttccgtttta aattgttgcattgcattcc cccgtggaaa tgaattactt 240
atgtaatctt ggcaggaaca caattttaa aattagaaaa tttagtcctcc ttat 294

<210> 140

<211> 1056

<212> DNA

<213> Homo sapiens

<400> 140

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tttattcca tgaggaagggt gttaaaccag cttgcagtt tgaattttat tcttaaaggc 180
tctgcagttc ttacctggat gtcgaaatga ttttaattt caactgctgt agacctcatc 240
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cccacccac gataacggcc tgactcttcc tcaattcatg acagcccattt ctacacataa 360
ccttctcct ctggcacccgg tcctcccgagc agagagggat cctgccttc cttccact 420
ctccagcata cagaccagca ggaagccaca agagggaaaa acaaagcct tctgtataag 480
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caaatgatag ttccacatattt acttaataag gaggactaat tttctaattt taaaaattgt 600
gttcctgcca gattcacata agtaattcat ttccacccggc gaaggcaatg tcaacaattt 660
aaaacgaaaa atcagtaaat taacccttcca aaaatacattt tctgctgttc tgattcccaa 720
tcttttctt gcaatttcctt gaaccagaga tgttatcggg acttacatac ataatcaata 780
cataaaatca atcctcaagt ctccataatg tctctgttct atatgtttgt ttgcagggt 840
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cactctgatg aggccccctg aggacagcac cctgaccacc ctgcatacata tgcgttacca 960
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aatgagctga atggccccag caccatccaa gttgac 1056

<210> 141

<211> 968

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (319)

<223> a, c, g or t

<220>

<221> unsure

400152 = 400220

<222> (497)
<223> a, c, g or t

<400> 141
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aataaggctt agaaagaggg attgccagaa acttggcag ctggattgcc tggcttgtt 120
cctctaagcc atacctaat tctgcagta atacttaact tttaatagg gaaattgctt 180
caagataact tgaccagtga tacggtaaaa taatttagact attggactaa tggttaaca 240
caagtggctt taaaaagtct gctaaaaaa caattttat ttagaaaaaa tagaaaaata 300
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tggaaaaggca agtcctgtat gtatTTTCA tttgtgaaa gaagattggt tatcagtagg 420
cttgc当地 acaatttgctt ttaagttctt tcaaggccccccat attcaataaa acctattgat 480
ttggaaactt aaaaaanaaa acaacaaaaaa aatactttca gggtttgta atttcaagt 540
gttttttaag gggagcaata gtttgcatt taccggggccat aatttcttaa 600
atgtttctac taaaaataa aagctattaa taataagctg tcatgggatc catttgaaga 660
cagggaaaaat agaaaatttt tattgtaaag ggaagaactt atcctttaa ttttatggac 720
taacagagtc tgcaggtctt aactcatttc agcctgtcaa atgtgcaatt aaaaatgaat 780
tttctaattt tattcaatg aggctctata gtgaatacag aatcactctt ctaagttttt 840
tcccagttaa ttgtttaaa agtgttgcac tctcttgcac gaacgtttaa aagtttaagtc 900
ttgttaactgt taacatctaa tgtttaataa taagccattt gtttttacc attttttaa 960
ggccgtat 968

<210> 142
<211> 1466
<212> DNA
<213> Homo sapiens

<400> 142
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gaatctggc agtttgcattt ggccttattt taagaaatat caagacttct tgagaaaaat 180
gaaaagtgaa tacataatg cttaaatctt ggtacttctg agttaagggtt ttgttcttt 240
agcttaatcc aatttggat gatTTTCCat cctagggtttt tttgtttcc ttttttattt 300
ttatTTTTC tttttttagg ggaaggggac ttgtttctt ttccaaaaag gtgaatcctt 360
cttgcatttgc ataggtaaaa aaaacaaacgc tgaaatataat gtttgcata tagatagcta 420
atccctggg atataatatc cttcaattt tttttttttt ttggggcccg tctgccttt 480
gatgtttcaaa aagtctgaac gagatgtccc agtaacctaa aattatccag tcggctttt 540
tactttcacaa ctaagaaaaaa taaggcttag aaagagggat tgccagaaac ttggcagct 600
ggattgcctg tgcttgcattt cttcaagccat acctaaattt tgcaatattt acttaactttt 660
ttaataggaa aattgttca agataactt accagtgtata cggtaaaaata attagactat 720
tgactaatg gttaacaca agtggcttta aaaagtctgc ttaaaaaaca atttttattt 780
agaaaaaaaata gaaaaataaa aacatcttca aaattttagga gcctgaaggg gctgtttgtt 840
tcatatatgg ataatctttg aaaaggcaag tcctgtatgt atttttccatt ttttgaaaga 900
agattggtaa tcaatgttca tgcaaacata attgtttttt aagtttttcc aaggttttat 960
gcaataaaac ctattgattt ggaactttaa aaaaaaaaaac aaaaaaaaaa tactttcagg 1020
gttttgcattt ttcaatgttca ttttttaaggg gagcaatagt ttgcatttca ccaaaggctt 1080
ctccagataaa ttcttcaatg ttttcttactt aaaaataaaa gctttaataa ataagctgtc 1140

atgggatcca tttgaagaca gggaaaatag aaaatttta ttgtaaagg aagaacttat 1200
cctttaatt ttatggacta acagagtctg caggtcttaa ctcatttcag cctgtcaaat 1260
gtgcaattaa aaatgaattt tctaattgtt ttcaaatgag gctctatagt gaatacagaa 1320
tcactcttct aagtttttc ccagttatt tgttaaaag tggtgtactc tcttgcaaga 1380
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<220>
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<222> (289)
<223> a, c, g or t

<400> 143
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gtcctgtat gtgaacctgg ctatcttcaa ttccacaggat agggagtaag acatttcatt 180
ttggccttag gtccaagcca tcttcttcaa tgtagctact actagagagc ccacaatgaa 240
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aatcac 306

<210> 144
<211> 494
<212> DNA
<213> Homo sapiens

<400> 144
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<210> 145
<211> 174
<212> DNA
<213> Homo sapiens

<400> 145
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<211> 445
<212> DNA
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<220>
<221> unsure
<222> (371)
<223> a, c, g or t

<220>
<221> unsure
<222> (391)
<223> a, c, g or t

<220>
<221> unsure
<222> (406)
<223> a, c, g or t

<220>
<221> unsure
<222> (427)
<223> a, c, g or t

<400> 146
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tgttttatat aaagaaaatta cctcctttaa gtccttatcaa attcctgatc acccttaaaa 240
aacaatttt aggtattacc ataaaaacctt ccatgacatt ctctgcttta tcttctctgt 300
gctactttgt ccattcattt gtgcattgtt atgtatttct gtacatgttata ttttacaaa 360
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aactganaca tagtagatgc ttact 445

<210> 147
<211> 734
<212> DNA
<213> Homo sapiens

<400> 147

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tggccatagg aaccgcgtga tccatcttct atcacttttag attgaatttg tctttcctac 180
tgtttatataa aaagaaaatta cctcctttaa gtccttatcaa attcctgatc acccttaaaa 240
acaatttt aggtattacc ataaaacctt ccattgacatt ctctgcttta tcttctctgt 300
gctactttgt ccattcattt ttgcattgtt atgtatttct gtacatgtt tatcactaaa 360
ctgtctcctc cttgaaggaa gggacatgtt ttcactcatc tattttcaag gcttattaca 420
gaaactgaaa catagtagat gcttactttgg gaatattata tctcaaaaata gaaaaacacc 480
cagcaaatcg catcttataat tagtcttttag aatttagtac aaagcctaatttattgaca 540
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cttttataac tgaccatttt taaatactga catttcagat taattggggg cagatgatat 660
atgaaattat agtttataact gtgacttctt aatacttcag ttgtgttaga taaactgata 720
gttcgtcaca tttt 734

M
C
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<210> 148

<211> 29

<212> PRT

<213> Homo sapiens

<400> 148

Met Leu Lys Ile Ile Asp Lys Leu Tyr Phe Ser Tyr Leu His Ser Ala

1

5

10

15

Asp Ile Leu Cys Asn Thr Glu Ser Tyr Thr Leu Ser Met

20

25

<210> 149

<211> 87

<212> PRT

<213> Homo sapiens

<400> 149

Met Gly Trp His Glu Ile Gln Ile Pro Val Leu Ile Phe Leu Leu Ala

1

5

10

15

Val Tyr His Arg Thr Ser His Phe Thr Ser Leu Pro Leu Gly Pro Gln

20

25

30

Phe Ser Val Phe Leu Ile Tyr Lys Tyr Ser His Pro Ala Phe Arg Gln

35

40

45

Val Leu Arg Leu Asn Lys Glu Phe Asn Leu Leu Trp Leu His Ile Lys

50

55

60

His Ile Leu Val Ser Val Cys Leu Val Ile Ser Asn Ala Asn Ile Leu

65

70

75

80

Ser Ala Pro Cys Pro Glu Cys
85

<210> 150

<211> 45

<212> PRT

<213> Homo sapiens

<400> 150

Ser Ser Val Ala Leu Ala Leu Gly Ala Leu Thr Val Trp His Ala Val
1 5 10 15

Leu Ile Ser Arg Gly Glu Thr Ser Ile Glu Arg His Ile Asn Lys Lys
20 25 30

Glu Arg Arg Arg Leu Gln Ala Lys Gly Arg Val Ser Arg
35 40 45

<210> 151

<211> 152

<212> PRT

<213> Homo sapiens

<400> 151

Met Val Pro Glu Val Leu Ile Leu Cys His Gly Leu Ala Val Trp Lys
1 5 10 15

Trp Phe Pro Gly Leu Ala Val Leu Arg Ile Pro Gly Cys Val Thr Gly
20 25 30

Asn Lys Pro Phe Asn Leu Pro Gly Thr Val Phe Phe Cys Lys Met Arg
35 40 45

Gly Leu Gly Ala Ser Phe Leu Arg Pro Trp Gly Leu Val Ala Glu Phe
50 55 60

Ile Ser Pro Thr Pro Cys Pro Ser Ser Tyr Gly Ser Thr His Lys Ala
65 70 75 80

Phe His Ser His Lys Glu Lys Ala His Lys Val Pro Gln Pro Pro His
85 90 95

Thr Gln Glu Pro His Leu His Pro Ser Leu Lys Ala Arg Leu Pro Leu
100 105 110

Pro Gln His Thr Gln Val Leu Leu Gly Leu Pro Ala Leu Phe Ser Ser
115 120 125

Ser Pro Glu Trp Asn Gly Pro Ala Met Ala Ser Gln Arg Thr Ala Ser
130 135 140

Trp Gln Ser Trp Glu Trp Val Glu
145 150

<210> 152
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> UNSURE
<222> (14)

<220>
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<222> (21)

<400> 152
Met Gly Leu Arg Val Leu Leu Leu Gly Leu Ser Leu Xaa Met Ser
1 5 10 15

Gln Lys Pro Leu Xaa Gln Arg Pro Thr Ala Leu Gly Pro
20 25

<210> 153
<211> 46
<212> PRT
<213> Homo sapiens

<400> 153
Met Phe Leu Val Glu His Lys Val Cys Ser Gly Asn Thr Gln Val Ser
1 5 10 15

Ile Lys Cys Leu Pro Val Val Ser Glu Lys Phe Val Met Lys Tyr Phe
20 25 30

Gly Asn Arg Cys Ile Val Ser Val Gly Gly Ala Asp Glu Phe
35 40 45

<210> 154
<211> 34
<212> PRT
<213> Homo sapiens

<400> 154
Met Thr His Ser Glu Leu Leu Leu Val Ile Thr Ile Asn His Lys Met
1 5 10 15

Pro Gln Gly Pro Arg Val Thr Asn Trp Glu Pro Pro Pro Leu Thr Arg
20 25 30

Ile Thr

FOTEGT-SETGETOOT

<210> 155
<211> 99
<212> PRT
<213> Homo sapiens

<400> 155
Met Asp Ser Phe Leu Leu Leu Arg Gln Arg Glu Gly Gly Lys Arg Asn
1 5 10 15

Phe Lys Arg Asn Leu Gln Thr Cys Cys Ala Val Gly Pro Thr Gly Ile
20 25 30

His Gly Gly Glu Thr Asn Ser Ile Met Leu Leu Gln Ile Leu Leu Lys
35 40 45

Lys Gly Phe Asn Cys Leu Thr Lys Tyr Ser Ser Phe Phe His Leu Leu
50 55 60

Thr Leu Gln Pro Asn Gln Val Pro His Thr Thr Gly Arg Cys Arg Glu
65 70 75 80

Ile Pro Gln Pro Glu Lys Ile Ile His Ala Gly Gln Arg Gln Lys Phe
85 90 95

Thr Pro Gly

<210> 156
<211> 55
<212> PRT
<213> Homo sapiens

<400> 156
Met Gln Phe Leu Leu Cys Leu Ser Leu Leu Asp Phe Phe Ser Ser Thr
1 5 10 15
Tyr Lys His Ala Val Met Ser Pro Asn Gln Lys Lys Cys Lys Asn Pro
20 25 30
Phe Ser Pro Met Leu Thr His His Pro Ala Val Val Leu Phe Leu Pro
35 40 45
Phe Thr Leu Leu Tyr Tyr Ser
50 55

<210> 157
<211> 59
<212> PRT
<213> Homo sapiens

<400> 157
Met Leu Gln Val Asp Val Cys Thr Leu Met Val Arg Thr Trp Ser Ser
1 5 10 15
Trp Pro Cys Trp Val Phe Ala Lys Glu Thr Val Leu Cys Ser Trp Gly
20 25 30
Arg Phe His His Leu Ile Arg Ala Val Val Pro Thr Trp Cys Ser Leu
35 40 45
Asp His Leu Tyr Lys Met Phe Ile Gly Gln Gly
50 55

<210> 158
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> UNSURE
<222> (41)

<220>
<221> UNSURE
<222> (57)

<400> 158

Met Thr Lys Arg Met Glu Lys Cys Leu Asn Ile Tyr Lys Arg Leu Asp
1 5 10 15

Val Tyr Arg Gln Ile Val Ser Lys Gly His Arg Ile Val Arg Asn Ser
20 25 30

Val Ile Leu Phe Cys Val Ile Asn Xaa Pro Phe Leu Tyr Pro Phe Thr
35 40 45

Leu Ile Ile Asp Ile His His Phe Xaa Val Ile Ile Gln Leu
50 55 60

<210> 159

<211> 47

<212> PRT

<213> Homo sapiens

<400> 159

His Leu Asn Arg Phe Ala Asn Ser Val Lys Val Phe Thr Arg Arg His
1 5 10 15

Ala Phe Val Lys Lys Phe Phe Arg Gly Ser Ala Cys Asn Cys Ala Glu
20 25 30

Ser Ala Leu Leu Ser Ser Gln Leu Ala His Cys Val Gly Arg Trp
35 40 45

<210> 160

<211> 43

<212> PRT

<213> Homo sapiens

<400> 160

Met Gln Glu Ala Glu Gly Arg Leu Asn Lys Pro Gln Gly Gly Arg Val
1 5 10 15

Gly Ala Glu Arg Val Gly Asn Ile Phe Phe Leu Leu Leu Asn Ser Arg
20 25 30

Lys Ala Lys Thr Gln Ser Lys Leu Phe Leu Ser
35 40

<210> 161

<211> 62

<212> PRT

<213> Homo sapiens

<400> 161

Met Phe Gly Ile Leu Glu Lys Ser Ser Lys Tyr Val His Leu Glu Gly
1 5 10 15

Ser Leu Lys His Pro Val Ile Lys Leu Val Ser Ile Ser Val Val Lys
20 25 30

Asp Glu Tyr Ser Leu Ile Asn Lys Arg Asn Lys Tyr Leu Asn Ser Leu
35 40 45

Thr Ser Ile Leu Asn Arg Phe Cys Gly Gln Met Arg Leu Pro
50 55 60

<210> 162

<211> 78

<212> PRT

<213> Homo sapiens

<400> 162

Met Thr Pro Ala Leu Ala Ala Trp His Val Leu Ile His Pro Asn Val
1 5 10 15

Cys Phe Leu Ala Pro Ala Asp Ser Leu Glu Gly Ser Ile Lys Glu Asp
20 25 30

Trp Val Asn Met Asp Leu Glu Asn Ala His Leu Gln Arg Glu Asn Gly
35 40 45

Gly Trp Ala Ala Phe Pro Ser Pro Ala Pro Val Pro Gly Ile Trp Pro
50 55 60

Arg Ser Ala Ser Val Cys Phe Gly Ala Lys Leu Gln Ala Pro
65 70 75

<210> 163

<211> 51

<212> PRT

<213> Homo sapiens

<400> 163

Met Ser Ser Trp Ile Pro Phe Ile Ile Thr Pro Leu Phe Ser Gly Ile
1 5 10 15

Arg Leu Glu Ala Trp Cys Gln Phe Tyr Ser Ser Leu Tyr Pro Phe Ile

20

25

30

His Phe Leu Ser Ile Leu Phe Pro Lys Tyr Phe Phe Ser Ala Pro Ser
35 40 45

Pro Ala Ala
50

<210> 164
<211> 27
<212> PRT
<213> Homo sapiens

<400> 164
Met Gly Ile Ile Pro Lys Cys Met Phe Leu Leu Gln Ser Arg Leu Met
1 5 10 15

Gly Val Ile Thr Asn Thr Ser Leu Leu Leu His
20 25

<210> 165
<211> 52
<212> PRT
<213> Homo sapiens

<400> 165
Met Lys Val Leu Lys Tyr His Asn Glu Ala Cys Gly Phe Tyr Ser Val
1 5 10 15

Val Trp Met Leu Ser Ser Ser Ile Pro Trp Met Pro Thr Gly Met His
20 25 30

Cys Leu Ile Leu Glu Phe Lys Arg Trp Pro Gln Thr Val Arg Leu Ser
35 40 45

Met Trp Pro His
50

<210> 166
<211> 47
<212> PRT
<213> Homo sapiens

<400> 166
Met Gly Arg Lys Ser Thr Asn Lys Thr Ala Cys Thr His Ile Asn Thr

1

5

10

15

Tyr Val Ser Thr Asn Asp Lys Leu Tyr Leu Tyr Arg Ala Trp Glu Gly
20 25 30

Ser Tyr Ile Thr Leu His Val Ser His Pro Pro His Thr Ser Arg
35 40 45

<210> 167

<211> 42

<212> PRT

<213> Homo sapiens

<400> 167

Met Cys Trp Gly Tyr Phe Ser Ile Ser Lys Lys Phe Pro Asn Leu Thr
1 5 10 15

Ser Val Leu Met Asn Leu Gly Thr Asp Leu Ala Val Arg Pro Thr Ser
20 25 30

Ile Phe Pro Thr Asp Ser Ile Leu Leu Glu

35 40

<210> 168

<211> 55

<212> PRT

<213> Homo sapiens

<400> 168

Met Asn Lys Ile Lys Gly Lys Ser Val Leu Phe Tyr Met Pro Glu Thr
1 5 10 15

Ser Arg Ile Phe Arg Lys Val Gln Phe Lys Glu Asn Gln Ala Ala Leu
20 25 30

Asp Ser Thr Asn Lys Asn Val Ser Leu Ser Glu Glu Leu Val Asn Gln
35 40 45

Gly Thr Gln Ser Ala Phe Ser

50 55

<210> 169

<211> 24

<212> PRT

<213> Homo sapiens

<400> 169
Met Met His Met Gln Leu Ile Ser Glu Phe Ser Cys Leu Cys Cys Phe
1 5 10 15

Phe Phe Leu Gly Ile Tyr Ile Lys
20

<210> 170

<211> 68

<212> PRT

<213> Homo sapiens

<400> 170

Met Ile His Leu Ser Glu Val Ser Gly His Leu Lys Glu Arg Lys Gly
1 5 10 15

Lys Ala Ser Cys Gln Lys Gln Lys His Val Leu Tyr Lys Arg Phe Lys
20 25 30

Asn Gln Asn Gly Ile Arg Leu Ser Asn Cys Lys Arg Gln Ser Ser Ala
35 40 45

Phe Lys Ile Leu Arg Lys Asn Asn Val Tyr Ile Lys Ile Phe Ile Ile
50 55 60

Ile Phe Asn Phe
65

<210> 171

<211> 100

<212> PRT

<213> Homo sapiens

<400> 171

Ser Phe Ala Phe Phe Ser Leu Arg Gln Ser Leu Thr Leu Ser Pro
1 5 10 15

Arg Leu Glu Cys Ser Gly Thr Ile Ser Ala His Cys Asn Leu Cys Leu
20 25 30

Leu Gly Ser Ser Asn Ser Ser Ala Ser Ala Ser Gln Val Ala Gly Ile
35 40 45

Thr Gly Thr His His Ala Gln Val Ile Phe Ile Phe Phe Ile Glu
50 55 60

Met Gly Phe Arg His Ile Gly Gln Ala Gly Leu Lys Leu Leu Thr Ser
65 70 75 80

Gly Asp Pro Pro Ala Ser Ala Ser Glu Ser Ala Gly Ile Thr Gly Val
85 90 95

Arg His His Thr
100

<210> 172

<211> 58

<212> PRT

<213> Homo sapiens

<400> 172

Met Glu Cys Leu Ser Ile Asn Leu Thr Lys Asn Val Ser Tyr Leu Tyr
1 5 10 15

Thr Gly Pro Leu Asn Thr Ser Glu Thr Lys Leu Lys Ser Tyr Leu Ile
20 25 30

Gly Asn Gln Phe Pro Pro Arg Phe Ile Tyr Arg Val Ser Glu Ile Pro
35 40 45

Ile Lys Ile Ser Ala Arg Ser Leu Arg Asn
50 55

<210> 173

<211> 47

<212> PRT

<213> Homo sapiens

<400> 173

Met Asp Lys Glu Glu Ser Ala Val Leu Val Gly Ser Ile Leu Pro
1 5 10 15

Asp Lys Leu Phe Leu Val Gly Phe Thr Asp Thr Ser Pro Asp Leu Leu
20 25 30

Pro Ala Ala Thr Val Cys Phe Tyr Asp Ala Cys His His Asp Ile
35 40 45

<210> 174

<211> 106

<212> PRT
<213> Homo sapiens

<400> 174
Met Thr His Val Gln Leu His Ala Leu Asp Leu Leu Leu Lys Asp Glu
1 5 10 15

His Lys Ser Glu Ile Ser Thr Pro Trp Gln Pro Tyr Tyr Gln Leu Leu
20 25 30

Ile Cys Ser Pro His Val Ser Thr Pro Phe Leu Ala Thr Ser Phe Cys
35 40 45

Pro Ser His Ile Asn Thr Cys Gly Gln Trp Leu Thr Met Leu Lys Leu
50 55 60

Lys Leu Tyr Pro Asp Glu Ile Leu Lys Arg Asn His Leu Cys Ser Ser
65 70 75 80

Val Leu Thr Gln Glu Ser Gln His Val Phe Leu Phe Gln Glu Thr Ile
85 90 95

Ile Ile Cys Thr Asn Ile Tyr Pro Asp Asn
100 105

<210> 175
<211> 35
<212> PRT
<213> Homo sapiens

<400> 175
Met Ser Met Leu Arg Lys Gly Leu Lys Ser Phe Phe Ser Val Cys Val
1 5 10 15

Leu Pro Ser Glu Pro Asn Ile Gly Ile Ser Ala Ser Lys Ile Pro Gln
20 25 30

Gly Gln Glu
35

<210> 176
<211> 54
<212> PRT
<213> Homo sapiens

<400> 176

Met Ser Ser Ser Pro Leu Val Ser Ala Lys Phe Ser Phe Leu Phe His
1 5 10 15

Glu Gly Arg Ala Pro Ser Leu Phe His Pro Leu Met Thr Ser Gln Pro
20 25 30

Leu Glu Phe Cys Leu Met Met Asp Phe Ser Glu Ile Cys Leu Cys Asn
35 40 45

Glu Asp Lys Asp Ser Gly
50

<210> 177

<211> 20

<212> PRT

<213> Homo sapiens

<400> 177

Met Arg Pro Leu Lys Met Ile Arg Thr Ala Lys Lys Leu Phe Val Tyr
1 5 10 15

Leu Gly Ser Tyr
20

<210> 178

<211> 66

<212> PRT

<213> Homo sapiens

<400> 178

Met Met Tyr Tyr Pro Asp Asp Leu Trp Asn Leu Leu Arg Asn Arg Asp
1 5 10 15

Cys Val Ala Phe Leu Ile Met Gly Thr Gly Pro Ser Leu Leu Arg Leu
20 25 30

Pro Met Cys Val Gly Thr Glu Leu Leu Trp His Ser Ser Ser Arg Leu
35 40 45

Met Glu Leu Ser Ser Ser Glu Ala Ser Trp Val Val His Ala Asn Leu
50 55 60

Val Leu
65

<210> 179
<211> 70
<212> PRT
<213> Homo sapiens

<400> 179
Met Cys Val Ile Tyr Gln Arg Gly Ile Cys Asp Glu Lys Lys Asn Leu
1 5 10 15

Lys Cys Pro Gln Met Phe Gln Leu Ser Glu Thr Glu Lys Thr Leu Thr
20 25 30

Ser Val Phe Arg Ile Ile Val Ser Asn Ile Leu Lys Ile Asp Val Ser
35 40 45

Ser Val Met Ile Phe Leu Arg Leu His Gln Arg Thr Ser Leu Asn Leu
50 55 60

Ser Val Ile Gln Asn Gln
65 70

<210> 180
<211> 30
<212> PRT
<213> Homo sapiens

<400> 180
Met Asn Pro Val Cys Trp Val Gly Phe Gly Glu Val Asn Ile Glu His
1 5 10 15

Met Glu Phe Lys Tyr Ile Glu Met Asp Thr Val Ile Glu Met
20 25 30

<210> 181
<211> 55
<212> PRT
<213> Homo sapiens

<400> 181
Met His Ala Cys Gly Ser Leu Arg Leu Asp Lys Asp Pro Thr Thr Leu
1 5 10 15

Leu Cys Val Asn Thr Arg Cys Thr Arg Ser His Leu Pro Gly Ala Gly
20 25 30

Gly Trp Trp Arg Lys Val Lys Ser Gln Gln Thr Val His Arg Thr Tyr

35

40

45

Ser Ala Thr Gly Lys Lys Ser

50

55

<210> 182

<211> 16

<212> PRT

<213> Homo sapiens

<400> 182

Met Pro Ala Leu Arg Glu Ala Phe Pro Gln Ala Pro Leu Ala Leu Ala

1

5

10

15

4.00046452 4.000402

<210> 183

<211> 48

<212> PRT

<213> Homo sapiens

<400> 183

Met Thr Phe Gln Lys Leu Met Ile Leu His Ile His Asp Gln Met Phe

1

5

10

15

Ser Leu Met Glu Ala Ser Asp Val Cys Ser His Gln Ile Arg Phe Lys

20

25

30

Met Ser Val Ser Ser Lys Ser Ser Lys Thr Ser Pro Ser His Gln Lys

35

40

45

<210> 184

<211> 55

<212> PRT

<213> Homo sapiens

<400> 184

Met Ser Val Leu Lys Arg Phe Leu Lys Pro Ser Leu Ser Ile Ala Lys

1

5

10

15

Thr Cys Tyr Val His Tyr Pro Pro Asn Ser Tyr Leu Lys Thr Thr Pro

20

25

30

Lys Met Leu Tyr Phe Val Phe Lys Val Arg Glu Glu Asn Arg Gly Glu

35

40

45

Val Phe Leu Cys Ser Phe Pro

50

55

<210> 185

<211> 14

<212> PRT

<213> Homo sapiens

<400> 185

Met Trp Leu Arg Asp Leu Asn Tyr Lys Ile Ala Arg Leu Asp

1

5

10

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<210> 186

<211> 42

<212> PRT

<213> Homo sapiens

<400> 186

Met Met Phe Phe Tyr Ile Phe Cys Ser Met Gly Leu Leu Ile Pro Phe

1

5

10

15

Ser Thr Leu Lys Met Leu Leu Ile Val Phe Pro Leu Ser Leu Phe Pro

20

25

30

Lys Arg Asn Leu Leu Ser Phe Leu Ser Leu

35

40

<210> 187

<211> 100

<212> PRT

<213> Homo sapiens

<400> 187

Leu Phe Phe Leu Arg Trp Ser Leu Ala Leu Val Thr Gln Ala Gly

1

5

10

15

Val Gln Val Val Asp Ile Gly Ser Leu Gln Pro Leu Pro Pro Gly Phe

20

25

30

Lys Gln Phe Ser Cys Pro Ser Leu Leu Ser Ser Trp Asp Tyr Arg His

35

40

45

Gly Pro Pro Arg Pro Ala Asn Phe Phe Val Phe Leu Val Glu Met Gly

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Phe His His Val Gly Gln Ala Gly Pro Glu Leu Leu Thr Ser Ser Asp	55	60	
65	70	75	80
Pro Pro Ala Leu Ala Ser Gln Ser Ala Gly Ile Thr Gly Val Ser His			
	85	90	95
Leu Thr Trp Pro			
	100		
<210> 188			
<211> 106			
<212> PRT			
<213> Homo sapiens			
<400> 188			
Met Ser Cys Leu Trp Pro Ser Leu Asp Leu Pro Ser Leu Ser His Ser			
1	5	10	15
Lys Gln Ser Ser Ser Gln Ala Glu Gly Gln Val Thr Ser His Thr Arg			
	20	25	30
Gln Arg Phe Pro Asp Gly Ala His Leu His Pro Ser Leu Thr Leu Val			
	35	40	45
Leu Ser Gln Asp Ala Pro Leu Arg Leu Ala Pro Pro Thr Leu Cys Leu			
	50	55	60
Leu Cys Tyr Trp Ala Ser Leu Pro Ser Pro Arg Thr Pro Glu Leu Leu			
	65	70	75
			80
Asn Ala Gly Gln Lys Ser Ile Pro Asp Leu Gln Gln Arg His Phe Asp			
	85	90	95
Ile Lys Glu Met Ala Leu Asp Phe Cys Leu			
	100	105	

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<210> 189
<211> 46
<212> PRT
<213> Homo sapiens

<400> 189
Met Val Ile Ser Arg Ile Ser Ile Leu Arg Lys Met Thr Lys Phe His
      1           5           10          15
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Lys Phe Cys Ser Gln Leu Thr Glu Pro Gly Arg Arg Thr Gln Pro Lys
20 25 30

Glu Asn Pro Trp Ser Leu Tyr Asp Thr Asp Trp Leu Glu Lys
35 40 45

<210> 190
<211> 46
<212> PRT
<213> Homo sapiens

<400> 190
Met Ser Arg Val Arg Ala Glu Lys Pro Gly Arg Val Ala Lys Leu Ala
1 5 10 15

Ala Cys Arg Pro Leu Pro Arg Leu Gln Met Ser Gly Ser Ile Pro Leu
20 25 30

His Lys Cys Lys Glu Lys Ala Ser Met Pro Pro Leu Trp Ser
35 40 45

<210> 191
<211> 50
<212> PRT
<213> Homo sapiens

<400> 191
Met Arg Pro Ala Arg Leu Gly Pro Arg Cys Ser Asp Leu Asp Phe Gly
1 5 10 15

Leu Val Leu Ser Ser Trp Leu Arg Leu Ala Arg Cys Pro Leu Glu Ser
20 25 30

Ser Phe Gly Phe Ala Phe Phe Val Cys Leu Phe Ser Pro Asn Phe Cys
35 40 45

Gln Thr
50

<210> 192
<211> 76
<212> PRT
<213> Homo sapiens

<400> 192

Met Glu Gly Thr Val Gly Gln Ala Lys Met Val Glu Lys Trp Met Arg
1 5 10 15

Pro Thr Leu Leu Met Ser Leu Arg Gly Leu Gly Glu Arg Ser Asn Glu
20 25 30

Pro His Val Ser Pro Glu Ser Ser Ala Ala Pro Lys Ala Gly Pro Ser
35 40 45

Leu Glu Asp Cys Glu Arg Glu Asp Gly Ser Ile Arg Thr Gly Trp Asp
50 55 60

Thr Ala Pro Thr Lys Glu Ser Pro Thr Ser Cys Ala
65 70 75

<210> 193

<211> 54

<212> PRT

<213> Homo sapiens

<400> 193

Arg Thr Val Cys Thr Lys Val Ser Cys Pro Val Gln Leu Pro Ala Asp
1 5 10 15

Trp Thr Cys Lys Val Gln Pro Val Trp Leu Glu Phe Pro Cys Leu Pro
20 25 30

Ile Ser Cys Arg Leu Arg Val Ser Ser Asp Thr Ser Pro Asp Ser Ala
35 40 45

Thr Trp Gly Ser Trp Lys

50

<210> 194

<211> 27

<212> PRT

<213> Homo sapiens

<400> 194

Met Glu Pro Arg Ile Pro Val Lys Thr Phe Ser Phe Asp Lys Arg Ile
1 5 10 15

Leu Ile Arg Ile Leu Tyr Gln Ile Glu Gln Lys
20 25

<210> 195
<211> 17
<212> PRT
<213> Homo sapiens

<400> 195
Met Leu Gln His Leu Arg Leu Thr Ile Trp Gly Glu Cys Val Trp Val
1 5 10 15

Phe

<210> 196
<211> 51
<212> PRT
<213> Homo sapiens

<400> 196
Met Arg Asn Val Ser Leu Ile Ser Cys Glu Asp Ala Asp Phe Thr Glu
1 5 10 15

Ala Leu Cys Asn Ile Trp Phe Val His Gln Thr Met Leu Ile Asp Cys
20 25 30

Arg Ser His Leu Leu Pro Arg Trp Leu Thr Lys Thr Val Gly Ser Leu
35 40 45

Leu Lys Pro
50

<210> 197
<211> 62
<212> PRT
<213> Homo sapiens

<400> 197
Met Ser His Gly Gln Val Leu Gly Asp Val Ala Gly Lys Val Gly His
1 5 10 15

Ala Leu Gly Thr Glu Asp Gln Thr Phe Ala Val Glu Val Leu Lys Glu
20 25 30

Thr Thr Pro Phe Phe Arg Ala Ser Ser Gly Pro Thr Gly Asp Pro Trp
35 40 45

Cys Pro Asp His Lys Ile Gln Ser Lys Pro Val Ser Leu Ser
50 55 60

<210> 198

<211> 400

<212> PRT

<213> Homo sapiens

<400> 198

Met Leu Leu Leu Val Thr Ser Leu Leu Leu Cys Glu Leu Pro His Pro
1 5 10 15

Ala Phe Leu Leu Ile Pro Glu Lys Ser Asp Leu Arg Thr Val Ala Pro
20 25 30

Ala Ser Ser Leu Asn Val Arg Phe Asp Ser Arg Thr Met Asn Leu Ser
35 40 45

Trp Asp Cys Gln Glu Asn Thr Thr Phe Ser Lys Cys Phe Leu Thr Asp
50 55 60

Lys Lys Asn Arg Val Val Glu Pro Arg Leu Ser Asn Asn Glu Cys Ser
65 70 75 80

Cys Thr Phe Arg Glu Ile Cys Leu His Glu Gly Val Thr Phe Glu Val
85 90 95

His Val Asn Thr Ser Gln Arg Gly Phe Gln Gln Lys Leu Leu Tyr Pro
100 105 110

Asn Ser Gly Arg Glu Gly Thr Ala Ala Gln Asn Phe Ser Cys Phe Ile
115 120 125

Tyr Asn Ala Asp Leu Met Asn Cys Thr Trp Ala Arg Gly Pro Thr Ala
130 135 140

Pro Arg Asp Val Gln Tyr Phe Leu Tyr Ile Arg Asn Ser Lys Arg Arg
145 150 155 160

Arg Glu Ile Arg Cys Pro Tyr Tyr Ile Gln Asp Ser Gly Thr His Val
165 170 175

Gly Cys His Leu Asp Asn Leu Ser Gly Leu Thr Ser Arg Asn Tyr Phe
180 185 190

Leu Val Asn Gly Thr Ser Arg Glu Ile Gly Ile Gln Phe Phe Asp Ser
195 200 205

Leu Leu Asp Thr Lys Lys Ile Glu Arg Phe Asn Pro Pro Ser Asn Val
210 215 220

Thr Val Arg Cys Asn Thr Thr His Cys Leu Val Arg Trp Lys Gln Pro
225 230 235 240

Arg Thr Tyr Gln Lys Leu Ser Tyr Leu Asp Phe Gln Tyr Gln Leu Asp
245 250 255

Val His Arg Lys Asn Thr Gln Pro Gly Thr Glu Asn Leu Leu Ile Asn
260 265 270

Val Ser Gly Asp Leu Glu Asn Arg Tyr Asn Phe Pro Ser Ser Glu Pro
275 280 285

Arg Ala Lys His Ser Val Lys Ile Arg Ala Ala Asp Val Arg Ile Leu
290 295 300

Asn Trp Ser Ser Trp Ser Glu Ala Ile Glu Phe Gly Ser Asp Asp Gly
305 310 315 320

Asn Leu Gly Ser Val Tyr Ile Tyr Val Leu Leu Ile Val Gly Thr Leu
325 330 335

Val Cys Gly Ile Val Leu Gly Phe Leu Phe Lys Arg Phe Leu Arg Ile
340 345 350

Gln Arg Leu Phe Pro Pro Val Pro Gln Ile Lys Asp Lys Leu Asn Asp
355 360 365

Asn His Glu Val Glu Asp Glu Ile Ile Trp Glu Glu Phe Thr Pro Glu
370 375 380

Glu Gly Lys Gly Tyr Arg Glu Glu Val Leu Thr Val Lys Glu Ile Thr
385 390 395 400

<210> 199

<211> 10

<212> PRT

<213> Homo sapiens

<400> 199

Met Asp Arg Met Glu Lys Arg Gln Thr Asp

1

5

10

<210> 200
<211> 20
<212> PRT
<213> Homo sapiens

<400> 200
Met Cys Tyr Ala Thr Leu His Gln Ile Asn Phe Leu Gln Thr Val Leu
1 5 10 15

Val Pro Gly Leu
20

<210> 201
<211> 31
<212> PRT
<213> Homo sapiens

<400> 201
Met Cys Leu Cys Cys Trp Leu Tyr Trp Glu Glu Tyr Gly Pro Leu Ser
1 5 10 15

Leu Thr Gln Glu Phe His Val Phe Cys Gln Asp Thr Leu His Gly
20 25 30

<210> 202
<211> 54
<212> PRT
<213> Homo sapiens

<400> 202
Met Asn His Ser Leu Ser Ala Phe Gln Arg Ala Leu Gln Val Leu Ile
1 5 10 15

Phe Lys Met Ser Val Tyr Ala Ser Gly Pro Arg Leu Glu Lys Lys Val
20 25 30

Gly Asn Lys Leu Glu Gly Arg Lys Gln Glu Arg Asn Val Thr Tyr
35 40 45

Met Ala Asp Glu Gly Phe
50

<210> 203
<211> 35
<212> PRT
<213> Homo sapiens

<400> 203
Met Ile Lys Ala Tyr His Pro Tyr Phe Glu Asn Phe Asn His Arg Ala
1 5 10 15

Gln Tyr Val Ser Asn Lys Leu Lys Lys Tyr Ser Phe Gln Leu His Phe
20 25 30

Asp Gly His
35

<210> 204
<211> 76
<212> PRT
<213> Homo sapiens

<400> 204
Met Lys Met Val Asn Arg His Met Lys Trp Lys Ser Ser Ala Leu Ser
1 5 10 15

Asp Leu Val Cys Ile Ser Thr Glu Ile Gln Ala Gly Leu Thr Arg His
20 25 30

Thr Ser His Asn Phe Gln Cys His Cys Thr Ile Ile Leu Thr Val Val
35 40 45

Ser Phe Phe Gln Ser Thr Glu Lys Gln Ala Asp Lys Pro Arg His Leu
50 55 60

Asn Val Thr Trp Leu Met Thr Leu Ile Ser Thr Leu
65 70 75

<210> 205
<211> 94
<212> PRT
<213> Homo sapiens

<400> 205
Met Glu Gly Gln Asp Ser Leu Arg Asp Val Gly Ala Leu Ser His Leu
1 5 10 15

Ala His Thr Asp Arg Ser Trp Leu Gly Arg Ala Gly Val Ser Ala Trp

20

25

30

Arg Pro Ser Ala Ala Gly Asp Pro Gly Phe His Glu Val Gly Gly Val
35 40 45

His Ala Gly Thr Ser Gln Leu Ala Gly Pro Gly Gly His Pro Gly Gly
50 55 60

Ala Gly Ala Trp Gly His Glu Phe Thr Lys Val Ala Gln Gly Gln Glu
65 70 75 80

Glu Thr Val Val Ala Glu Gly Pro Leu Val Glu Ala Trp Ala
85 90

<210> 206

<211> 53

<212> PRT

<213> Homo sapiens

<400> 206

Met Pro Gln Asp Gln Asp Pro Pro Arg Glu Glu His Ala Ala Leu Arg
1 5 10 15

Val Leu Phe Pro Arg Val Pro Leu Ala Val Pro His Gln Leu Gly Gly
20 25 30

Glu Leu Glu Arg Ala Asp Arg Arg Thr Gly Phe Ser Ala Cys Ala Asn
35 40 45

Ile Leu Thr Cys Pro

50

<210> 207

<211> 75

<212> PRT

<213> Homo sapiens

<400> 207

Trp Ser Thr Pro Pro Phe Asp Pro Arg Phe Pro Ser Gln Asn Gln Ile
1 5 10 15

Arg Asn Cys Tyr Gln Asn Phe Leu Asp Tyr His Arg Cys Leu Lys Thr
20 25 30

Arg Thr Arg Arg Gly Lys Ser Thr Gln Pro Cys Glu Tyr Tyr Ser Cys
35 40 45

Val Tyr His Ser Leu Cys Pro Ile Ser Trp Val Glu Ser Trp Asn Glu
50 55 60

Gln Ile Lys Asn Gly Ile Phe Ala Gly Lys Ile
65 70 75

<210> 208

<211> 44

<212> PRT

<213> Homo sapiens

<400> 208

Met Arg Val Leu Arg Lys Glu Ser Pro Ser Arg His Val Leu Lys Asn
1 5 10 15

Met Cys Leu Ile Arg Asn Pro Arg Glu Gly Thr Ala Ala Asn Asn Glu
20 25 30

Met Glu Ser Ala Thr Gly Glu Glu Lys Gly Asn Arg
35 40

<210> 209

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (80)

<223> a, c, g or t

<400> 209

Met His Arg Lys Lys Lys Leu Glu Ser Phe Leu Leu Leu Ile Pro Pro
1 5 10 15

Pro Tyr Leu Pro Leu Thr Lys Met Trp Gly Glu Pro Arg Phe Glu Gly
20 25 30

Ser Thr Gly Pro Cys Pro Gln Asp Ser Met Glu Gln Pro Val Thr Lys
35 40 45

Gln Gly Ile Ser Leu Lys Ser Cys Leu Pro Lys Lys Ile Lys Leu Pro
50 55 60

Arg Leu Ala Leu His Pro Ser Pro Pro Arg Ser Phe Pro Leu Lys Xaa

65

70

75

80

Lys Lys Leu

<210> 210

<211> 40

<212> PRT

<213> Homo sapiens

<400> 210

Met Thr Arg Phe Ser Gln Ala Ser Ser Ser Lys Asp Lys Thr Pro Pro

1

5

10

15

Leu Pro Ser Met Val Gln Ala Thr Val Leu Val Lys Lys Tyr Ile Phe
20 25 30

Thr Lys Lys Lys Ser Tyr Val Leu

35

40

<210> 211

<211> 87

<212> PRT

<213> Homo sapiens

<400> 211

Met Pro Arg Pro Thr Glu Gly Glu Ser Thr Glu Asp Arg Asp Pro
1 5 10 15

Ile Gly Ile Gln Ser Gln Thr Arg Ala Glu Pro Thr Val Glu Gln Leu
20 25 30

Met Ser Gly Ala Lys Asp Thr Ser Trp Asn Pro Pro Asp Gly Ser Ser
35 40 45

Asn Pro Lys Arg Ala Gly Leu Gln Val Gly Leu Asn Trp Arg Asp Pro
50 55 60

Gln Glu Ser Gly Arg Arg Asn Thr Arg Ala Phe Leu Glu Glu Gly Thr
65 70 75 80

Phe Ile Leu Asp Ser Asn Gln
85

<210> 212

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<211> 38
<212> PRT
<213> Homo sapiens

<400> 212
Met Met Pro Gly Pro Ala Ala Leu Ile Pro Pro Thr Ala Thr Ala Cys
1 5 10 15

Leu Leu Val Val Ala Arg Gly Ser Ser Val Pro Lys Asp Ser Ser Leu
20 25 30

Phe Cys Ile Thr Val His
35

<210> 213
<211> 88
<212> PRT
<213> Homo sapiens

<400> 213
Met Ser Leu Leu Asp Ala Ser Ser Leu Lys Pro Tyr Asp Ser Phe Leu
1 5 10 15

Leu Ala Val Leu Phe Leu Thr Arg Asp Asn Lys Gly Phe Ala Ser Gln
20 25 30

Val Cys Met Ala Lys Lys Val Ser Thr Ser Val Asn Gly Ser Phe Leu
35 40 45

Met Thr Ser Gln Gln Pro Leu Val Lys Asp Val Ile Glu Ile Val Gln
50 55 60

Arg Leu Gly Ser Val Cys Phe Val Leu Leu Lys Ser Phe His Gly
65 70 75 80

Ser Lys Leu Phe Leu Ser Ile Val
85

<210> 214
<211> 42
<212> PRT
<213> Homo sapiens

<400> 214
Met Val Ile Arg Glu Leu Leu Gly Gly Gln Lys Tyr Pro Asn Pro Val
1 5 10 15

Gln Gly Arg Asp Pro Trp Thr Val Thr Val Leu Ser Ala Phe Gly Arg
20 25 30

Glu Gly Asp Ser Glu Ala Gln Thr Arg Ile
35 40

<210> 215
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> UNSURE
<222> (46)

<400> 215
Met Pro Asn Cys Ser Val Glu Leu Arg Gly Tyr Tyr Tyr Asn Phe Val
1 5 10 15

His Tyr Tyr Lys Tyr Phe Ile Leu Val Val Tyr Ser Thr Ala Asp Ser
20 25 30

Asn Gln Lys Thr Lys Ile Gln Lys Tyr Tyr Ile Leu Glu Xaa Ile Ile
35 40 45

Met

<210> 216
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> UNSURE
<222> (6)

<220>
<221> UNSURE
<222> (8)

<400> 216
Met Glu Met Leu Glu Xaa Lys Xaa Thr Ile Ile Asp Ile Val Ser Leu
1 5 10 15

Leu Ala Leu Ser Gly Asp Leu Thr Gln Leu Arg Lys Ser Leu Val Thr
20 25 30

Leu Lys Ile Cys Arg
35

<210> 217
<211> 72
<212> PRT
<213> Homo sapiens

<400> 217
Met Gly Ser Tyr Gly Leu Leu Phe Lys Phe Tyr Gly Ala Ile Phe Thr
1 5 10 15

Ser Val Ala Gln Gly Trp Ser Val Leu His Leu Arg Lys Val Ser Leu
20 25 30

Gly Lys Cys Pro Cys His Pro Ser His Ser Arg Gln Ala Ala Ser Ser
35 40 45

Ala Phe Ser Ser Ser Ser His Ala Trp Ser Ser Pro Phe Val Ile
50 55 60

Phe Ser Ser Leu Thr Pro Ser Leu
65 70

<210> 218
<211> 49
<212> PRT
<213> Homo sapiens

<400> 218
Met Gly Ser Phe Ser Pro Leu Thr Tyr His Leu Gly His Trp Asn Met
1 5 10 15

Ala Ala Cys Gly Ser Val Cys Glu Gly Pro Gly Asp Gly Gln Gly Gly
20 25 30

Ser Ala Leu Phe Cys Phe Tyr Gln His Cys Ser Met Asn Val Phe Leu
35 40 45

Thr

<210> 219
<211> 34
<212> PRT
<213> Homo sapiens

<400> 219
Met Leu Thr Arg His His Pro Leu Asn Val Leu Leu His Arg Leu Cys
1 5 10 15

Leu Asn Trp Leu Glu Glu Asn Asn Tyr Pro Arg Asn Thr Asp Tyr Leu
20 25 30

Ile Phe

<210> 220
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> UNSURE
<222> (17)

<400> 220
Met Leu Leu Leu Pro Ala Thr Phe Leu Pro Thr Ser His Ala Arg Pro
1 5 10 15

Xaa Gln Pro His Cys His Thr Thr Cys Leu Ile Thr Ser His Val Leu
20 25 30

Thr His

<210> 221
<211> 111
<212> PRT
<213> Homo sapiens

<400> 221
Met Gly Pro Ser Ser Cys Leu Leu Leu Ile Leu Ile Pro Leu Leu Gln
1 5 10 15

Leu Ile Asn Leu Gly Ser Thr Gln Cys Ser Leu Asp Ser Val Met Asp
20 25 30

Lys Lys Ile Lys Asp Val Leu Asn Ser Leu Glu Tyr Ser Pro Ser Pro
35 40 45

Ile Ser Lys Lys Leu Ser Cys Ala Ser Val Lys Ser Gln Gly Arg Pro
50 55 60

Ser Ser Cys Pro Ala Gly Met Ala Val Thr Gly Cys Ala Cys Gly Tyr
65 70 75 80

Gly Cys Gly Ser Trp Asp Val Gln Leu Glu Thr Thr Cys His Cys Gln
85 90 95

Cys Ser Val Val Asp Trp Thr Thr Ala Arg Cys Cys His Leu Thr
100 105 110

<210> 222

<211> 111

<212> PRT

<213> Homo sapiens

<400> 222

Met Gly Pro Ser Ser Cys Leu Leu Leu Ile Leu Ile Pro Leu Leu Gln
1 5 10 15

Leu Ile Asn Leu Gly Ser Thr Gln Cys Ser Leu Asp Ser Val Met Asp
20 25 30

Lys Lys Ile Lys Asp Val Leu Asn Ser Leu Glu Tyr Ser Pro Ser Pro
35 40 45

Ile Ser Lys Lys Leu Ser Cys Ala Ser Val Lys Ser Gln Gly Arg Pro
50 55 60

Ser Ser Cys Pro Ala Gly Met Ala Val Thr Gly Cys Ala Cys Gly Tyr
65 70 75 80

Gly Cys Gly Ser Trp Asp Val Gln Leu Glu Thr Thr Cys His Cys Gln
85 90 95

Cys Ser Val Val Asp Trp Thr Thr Ala Arg Cys Cys His Leu Thr
100 105 110

<210> 223

<211> 83

<212> PRT

<213> Homo sapiens

<400> 223

Met Asn Val Glu Ala Arg Glu Gln Cys Asp Val Gln Leu Ser Asp Leu
1 5 10 15

Thr Trp His Leu Ile Trp Leu Glu Val Pro Pro Leu Leu Ser Val Pro
20 25 30

Trp Leu Trp Ala His Gly Leu Ala Glu Pro Ser Tyr Gly Phe Arg Phe
35 40 45

Thr Cys Tyr Asn Ile Gln Arg Gln Cys Thr Ser Leu Pro Arg Lys Leu
50 55 60

Cys Ser Arg His Pro Phe Val Thr Leu Ile Ser Ile Met Asp Thr Thr
65 70 75 80

Thr Phe Tyr

<210> 224

<211> 132

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (3)

<220>

<221> UNSURE

<222> (11)

<220>

<221> UNSURE

<222> (14)

<400> 224

Met Asp Xaa Thr Arg Val His Asp Asp Glu Xaa Val Ile Xaa Gly Asp
1 5 10 15

Val Phe Val His Glu Val Thr Pro Gly Pro His Arg Trp Val Leu Val
20 25 30

Arg Pro Phe Cys Leu Glu Val Arg Ala Val Phe Leu Arg Leu Trp Tyr
35 40 45

Tyr Arg Gly Glu Lys Glu Glu Glu Leu Glu Val Arg Glu Arg Ser Cys
50 55 60

Arg Leu Gly Arg Cys Asp Gln Gly Gln Arg Asp Gly Val Gln Glu Ala
65 70 75 80

Cys Ser Ser Val Ser Cys Ser Leu Arg Gln Glu Val Ser Pro Ser Ser
85 90 95

Gln Leu Asp Met Arg Ser Leu Leu Gly Val Pro Leu Ala Glu Val Glu
100 105 110

Pro Val Ala Gln His Pro Pro Asn Glu Gly Arg Gly Arg His Leu Gly
115 120 125

Gln Cys Leu Leu
130

<210> 225

<211> 38

<212> PRT

<213> Homo sapiens

<400> 225

Met Ile Asn Asn Ser Asn His Asn Asn Ser Ser Ser Ser Lys Leu Arg
1 5 10 15

Ala Ser Tyr Val Gln Ala Phe Ser Lys His Phe Thr Cys Ile Thr Pro
20 25 30

Leu Val Ile Thr Thr Pro
35

<210> 226

<211> 58

<212> PRT

<213> Homo sapiens

<400> 226

Met Ser Thr Phe Thr Val Leu Lys Asn Thr His Gln Leu Lys Lys Asn
1 5 10 15

Thr Leu Phe Pro Phe Leu Gly His Leu Asn Leu Arg Glu Gln Leu Leu
20 25 30

Tyr Lys Asn Asp Ile Lys Ile Ile His Phe Gly Ser Met Phe Leu Thr

35

40

45

Val Leu Arg Gly Cys Met Val Lys Leu Lys
50 55

<210> 227

<211> 26

<212> PRT

<213> Homo sapiens

<400> 227

Met His Met His Ile Phe Leu Cys Leu Tyr Asn Leu Cys Asn Ile Cys
1 5 10 15

Glu Cys Asn Thr Phe Ser Phe Phe Leu Leu
20 25

<210> 228

<211> 47

<212> PRT

<213> Homo sapiens

<400> 228

Met Leu Asp Val Met Arg Gln Val Ala Arg Ser Trp Leu Thr Ala Met
1 5 10 15

Glu Arg Leu Leu Leu Pro Ala Ala Val Arg Phe Ser Ala Ile Trp Leu
20 25 30

Ala Gly Gln Phe Ala Met Ala Trp Leu Leu Gln Leu Ile Leu Gly
35 40 45

<210> 229

<211> 53

<212> PRT

<213> Homo sapiens

<400> 229

Met Gly Asn Ile Gly Glu Thr Leu Ser Leu Lys Lys Lys Arg Arg Ala
1 5 10 15

Gly Gly Glu Ser Val Lys Asp Pro Gly Ser Thr Asp Thr Gly Gly Gln
20 25 30

Arg Thr Arg Val Gly Val Ser Ser Asn Asp Ser Val Gly Ser Met Gly

35

40

45

Ala Val Gly Arg Glu
50

<210> 230

<211> 80

<212> PRT

<213> Homo sapiens

<400> 230

Met Val Ile Asn Ser Cys Ile Ile Pro Leu Pro Ser Gln Ala Thr Ile
1 5 10 15

Pro Glu Pro Trp Pro His Gly Ala Cys Ile Phe Arg Ile Gln Thr Pro
20 25 30

Trp Gly Ser Ser Pro Leu Leu Pro Ser Leu Ser Ser His Pro Leu Thr
35 40 45

His Leu Ser Cys Tyr Leu Ser Leu Glu Ile Pro Lys Met Met Cys Val
50 55 60

Met Glu Arg Leu Glu His Gln Leu Gln Asn His Pro Val Thr Leu Ala
65 70 75 80

<210> 231

<211> 40

<212> PRT

<213> Homo sapiens

<400> 231

Met Phe Gln Arg Phe Leu Ala Lys Val Thr Val Trp Met Val Val Pro
1 5 10 15

Leu Thr Lys Thr Ala Met Asn Ala Lys Arg Ala Ser Phe Val Gly Arg
20 25 30

His Lys Ile Ile Phe Arg Ile Cys
35 40

<210> 232

<211> 24
<212> PRT
<213> Homo sapiens

<400> 232
Met Leu Leu Tyr Leu Ile Thr Arg Gly Asp Val Glu Asn Gly Cys Phe
1 5 10 15
Ile Phe Ser Val Val Phe Ala Leu
20

<210> 233
<211> 26
<212> PRT
<213> Homo sapiens

<400> 233
Met Pro Pro Arg Gly Leu Pro His Phe Ser Pro His Pro Thr Arg Gln
1 5 10 15
Phe Leu Phe Leu Phe Pro Leu His Thr Lys
20 25

<210> 234
<211> 37
<212> PRT
<213> Homo sapiens

<400> 234
Met Ser Tyr Glu Ile Leu Val Asn Thr Asp Phe Met Ser Pro Phe Leu
1 5 10 15
Arg Thr Leu Leu Val Cys Phe His Leu Tyr Ala Leu Ile Arg Ala Asn
20 25 30
Asn Leu Lys Tyr Pro
35

<210> 235
<211> 40
<212> PRT
<213> Homo sapiens

<400> 235
Met Gly Lys Gly Leu Arg Leu Gly Val Ser Ile Ile Leu Val Lys Ser

1

5

10

15

Phe Phe Thr Tyr Ser Ser Lys Asp Val Asn Tyr Phe Ser Ile His Ser
20 25 30

Asn Ile Lys Ala Val Phe His Phe
35 40

<210> 236

<211> 40

<212> PRT

<213> Homo sapiens

<400> 236

Met Glu Glu Thr Gly Pro Leu Pro Ser Gly Ser Ser Leu Ser Asp Gln
1 5 10 15

Gly Glu Thr Ala Leu Ala Leu Gly Asn Ser Arg Ser Asp Gly Gly Arg
20 25 30

Gln Ser Ser Ser Met Asn Ala
35 40

<210> 237

<211> 50

<212> PRT

<213> Homo sapiens

<400> 237

Met His Lys Gln Ser Met Ala Arg Ser Ile Leu Arg Ser Pro Leu Gln
1 5 10 15

Gln Ile Pro Pro Lys Gly Glu Ala Gly Arg Trp Arg Trp Ala Glu Ala
20 25 30

Ser Cys Val Leu His Thr Phe Ser Thr Ile Leu Asp Phe Leu Phe Phe
35 40 45

Phe Phe

50

<210> 238

<211> 49

<212> PRT

<213> Homo sapiens

<400> 238

Ser Ser Trp Gly Asp Ser Phe Ala Val Ser Ala Ala Trp Ala Arg Lys
1 5 10 15

Gly Ile Glu Glu Trp Ile Gly Arg Gln Arg Cys Pro Gly Gly Val Ser
20 25 30

Gly Pro Arg Gln Leu Arg Leu Ala Gly Thr Ile Gly Arg Ser Thr Arg
35 40 45

Glu

<210> 239

<211> 54

<212> PRT

<213> Homo sapiens

<400> 239

Met Leu Arg Pro Leu Thr Val Ala Ser Lys Arg Leu Leu Thr Ile Ser
1 5 10 15

Thr Leu Lys Ser Pro Leu Val Gly Leu Cys Ser Phe Ser Lys Ser Gly
20 25 30

Val Leu Arg Glu Gln Ala Leu Phe Ser Ile Ile Asn Leu Ile Asn Thr
35 40 45

Asp Trp Gln Lys Gln His
50

<210> 240

<211> 23

<212> PRT

<213> Homo sapiens

<400> 240

Met Lys Lys Lys Ser Tyr Pro Asp Lys Ile Asn Gln Cys Phe Ile Phe
1 5 10 15

Leu Glu His Gln Asn Leu Leu
20

<210> 241

<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> UNSURE
<222> (6)..(7)

<220>
<221> UNSURE
<222> (9)

<220>
<221> UNSURE
<222> (13)

<220>
<221> UNSURE
<222> (23)

<220>
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<222> (27)..(31)

<220>
<221> UNSURE
<222> (38)..(40)

<220>
<221> UNSURE
<222> (43)

<220>
<221> UNSURE
<222> (45)

<220>
<221> UNSURE
<222> (47)

<400> 241
Met Val Lys Tyr Met Xaa Xaa Leu Xaa Leu Thr Pro Xaa Phe Ser Asn
1 5 10 15

Leu Leu Gly Thr Leu Lys Xaa Arg Lys Val Xaa Xaa Xaa Xaa Xaa Pro
20 25 30

Arg Lys Arg Asn Phe Xaa Xaa Xaa Pro Pro Xaa Leu Xaa Lys Xaa Arg

35

40

45

Cys His Phe Leu His Ile Asp Leu Gln Arg Val
50 55

<210> 242

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (53)

<400> 242

Met Val Ser Gly Val Gln Val Ser Leu His Lys Thr Lys Ile Lys Leu
1 5 10 15

Phe Asn Thr Gly Pro Thr Thr Leu Ile Tyr Gly Ala Asn Thr Cys Cys
20 25 30

Glu Pro Trp Gly Gln Gly Leu Gly Asp Lys Val Ala Thr Ile Phe Trp
35 40 45

Gly Val Gly Gly Xaa Gly Gly
50 55

<210> 243

<211> 75

<212> PRT

<213> Homo sapiens

<400> 243

Met Val Ile Thr Cys Val Leu Tyr Asp Ile Ser Ser Leu Lys Asn Leu
1 5 10 15

Arg His Ser Pro Phe Leu Gln Val Phe Phe Cys Val Cys Trp Lys Ile
20 25 30

Met Tyr Ile Phe Gln Leu Leu Asn Ala Ser Val Cys Ile Cys Ile Ser
35 40 45

Thr Lys Ser Lys Leu Leu Ile Leu Leu Phe Lys Leu Phe Ala Ser Tyr
50 55 60

Trp Phe Ser Leu Pro Thr Leu Cys Ile Asn Ser

65

70

75

<210> 244
<211> 17
<212> PRT
<213> Homo sapiens

<400> 244
Met Ser Trp Val Pro Cys Gly Cys Asp Phe Leu Arg Glu Ile Asn Leu
1 5 10 15

Phe

<210> 245
<211> 30
<212> PRT
<213> Homo sapiens

<400> 245
Met Tyr Val Ser Pro Asp Asn Ile Ser Gly Ser Gly Asn Cys Lys Lys
1 5 10 15
Lys Ile Gly Asn Gln Asn Ser Arg Lys Val Phe Leu Glu Gly
20 25 30

<210> 246
<211> 57
<212> PRT
<213> Homo sapiens

<400> 246
Arg Val Thr Met Asn Glu Lys Asp Asn Phe Met Asn Ala Glu Asn Leu
1 5 10 15
Gly Ile Val Phe Gly Pro Thr Leu Met Arg Pro Pro Glu Asp Ser Thr
20 25 30
Leu Thr Thr Leu His Asp Met Arg Tyr Gln Lys Leu Ile Val Gln Ile
35 40 45
Leu Ile Glu Asn Glu Asp Val Leu Phe
50 55

<210> 247

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (38)

<400> 247

Met Phe Ala Ser Leu Leu Ile Thr Asn Leu Leu Ser Thr Asn Glu Lys
1 5 10 15

Tyr Ile Gln Asp Leu Pro Phe Gln Arg Leu Ser Ile Tyr Glu Thr Asn
20 25 30

Ser Pro Phe Arg Leu Xaa Asn Phe Glu Asp Val Phe Ile Phe Leu Phe
35 40 45

Phe Leu Asn Lys Asn Cys Phe Leu Ser Arg Leu Phe Lys Ala Thr Cys
50 55 60

Val Lys Pro Leu Val Gln
65 70

<210> 248

<211> 36

<212> PRT

<213> Homo sapiens

<400> 248

Met Arg Arg Ala Arg Pro Pro Leu Phe Phe Leu His Ala Val Ser Ser
1 5 10 15

Pro Gly Gln Ile Leu Thr Ser Lys Asn Ala Val Phe Pro Ser Gly Ala
20 25 30

Gly Pro Val Met
35

<210> 249

<211> 26

<212> PRT

<213> Homo sapiens

<400> 249

Met Ser Leu Ser Phe Ser Leu His Ser Phe Tyr Arg Lys Ala Ile Leu
1 5 10 15

Gly Val Leu Gly His Phe Asp Ser Thr Ser
20 25

<210> 250
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> UNSURE
<222> (6)

<400> 250
Met Ser Leu Pro Ser Xaa Arg Arg Gln Phe Ser Asp Ile Thr Cys Thr
1 5 10 15

Glu Ile His Tyr Asn Ala Thr Met Asn Gly Gln Ser Ser Thr Glu Lys
20 25 30

Ile Lys Gln Arg Met Ser Trp Lys Val Leu Trp
35 40